

FUNCTN

Technical Apparel Design

Grad Exhibit 2017



**WILSON
SCHOOL
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APPAREL
WITH PURPOSE
TECHNICAL SOLUTIONS

This capstone showcase exhibits the work of students who have designed, built and tested innovative apparel solutions with technical performance in mind.

Following a rigorous design process – defining functional requirements, conceptualization, analysis, and user testing – the students have developed robust prototypes, demonstrating deep understanding of the human condition and how it relates to the apparel we choose to live our lives in.

The Technical Apparel Design Post-Baccalaureate Diploma program attracts students with diverse academic backgrounds from across the country and around the world. An intensive curriculum combines professional practice with human factors, strategic design methodologies, and prototyping skills, emphasizing experiential learning in and beyond the classroom. Along the way, the students work in a collaborative environment; managing group dynamics, meeting time-driven deliverables and deadlines, and communicating with team members, project sponsors, and faculty advisors. The program has strong ties to industry and was developed to meet technical apparel industry needs.

We gratefully acknowledge our corporate sponsors and industry collaborators for supporting our Technical Apparel Design students.

*Andrew Clark, Richmond Olympic Oval
Arc'teryx*

Bryan Statham, LifeBooster Inc.

C. H. Hung, Eclat Textiles Ltd.

Captain Steve Farina, Coquitlam Fire/Rescue

Charles Tam, Tamoda Apparel Inc.

Chief Wade Pierlot, Coquitlam Fire/Rescue

Coquitlam Fire/Rescue

Darren Chen, Eclat Textile Co. Ltd.

Dr. Frank Ko, AMPEL, UBC

Dr. Gordon Giesbrecht, University of Manitoba

Dr. Matthew White, SFU

Dr. Tom Waller, lululemon athletica

Eclat Textile Co. Ltd.

F.A.S.T. Limited

Jackie Bruce, Outdoor Voices

Jason Leggatt, Mustang Survival

Jonathan Wong, Arc'teryx

Kendor Textiles Ltd.

Kevin Chen, Eclat Textile Co. Ltd.

Kit and Ace

Leah Herbison, Mustang Survival

Lindsay Bailey, Taylor Oballa Murray Leyland LLP

lululemon athletica

Mark Anderson, Mustang Survival

Max Feldman, Sugoi

Meg O'Shea, VEC

Michael Coyle, Coquitlam Search and Rescue

Mountain Equipment Co-op

Mustang Survival

Nancy Wong, Canadian Wheelchair Sports Association

North Shore Search and Rescue

Oddball Printers

Paul King, Kendor Textiles Ltd.

Precision Patterns Inc.

Richmond Olympic Oval

Sharon Henderson, Arc'teryx

Shirley Chan, Arc'teryx

Spring Harrison, MEC

Sugoi

Tamoda Apparel Inc.

Toby Russell, MEC

Tracey Baker, Arc'teryx

Vancouver Economic Commission

Vanessa Fors, Helly Hansen

Venice Clementi, Arc'teryx

Wendell Uglene, Mustang Survival



Thiago Bazzi

“Being curious, methodical and a team player, I am the kind of professional who strives to learn something new every day. Informed by my MBA and graphic design background, creativity, attention to detail and collaboration are my professional guidelines. The outdoors and martial arts help me find my balance. My passion is to bring products to life. I’m thrilled to join the dynamic technical apparel industry and use the latest fabric and construction technologies to make it easy for people to enjoy their favourite activities safely and comfortably.”

[linkedin.com/in/thiagobazzi](https://www.linkedin.com/in/thiagobazzi)



The Concorde is a casting aid for fly fishing that increases accuracy and reduces learning time. By restricting the wrist angle during the cast and keeping the fishing rod fully aligned with the forearm, the Concorde provides smooth energy transfer from the angler's body to the fishing rod, line, and fly. User testing revealed that the device improves casting accuracy by 20% and that using the brace enables novice anglers to cast after just a few attempts. The name "Concorde" is inspired by the first supersonic passenger airplane. Enabling ordinary folks to fly fast is the main purpose of both "Concordes". This project was awarded the "Bonnie Compagna Memorial Award" for methodical design process.



A close-up portrait of Charlotte Browning, a woman with blonde hair pulled back, wearing a black turtleneck. She is smiling slightly and looking directly at the camera. The background is a plain, light grey.

Charlotte Browning

“During my career in track and field, creativity was built into our game plan, our daily routine, our resilience and the motivation to keep progressing forward. Throughout my journey from an amateur runner, to a professional athlete, and currently as a technical apparel designer, I discovered the parallels between the athlete and the creative.

Doing sport is much like designing for it. Each start with a shared purpose, both need the confidence to fail fast and often, to work as a team, to perform under pressure and to never stop learning. I believe both sport and designing are about the process, which is just as important as the final product. As I proceed on the flip side of this creative path, I am inspired to continue synthesizing ideas that make it easier and more enjoyable for people to use products.”

[linkedin.com/in/charlotte-browning/](https://www.linkedin.com/in/charlotte-browning/)



PRO:TECH is a technical blazer designed for the modern corporate commuter. Easily transition from the bike into the office with this protective outer layer, powered by Dyneema®. The high tensile strength fabric will protect you from road rash, while the stealth visibility features will keep you safer while you ride. Take advantage of the durable water repellent finish and side airflow system, you'll arrive at your 9am meeting, comfortable and in style.

Courtney Neray

"I consider myself to be a true 'maker', who loves creating and working on many different projects at one time. I'm drawn to solve design challenges and always looking to learn something new. My work is informed by my wide range of interests – backcountry snowboarding, martial arts and quilting (just to name a few). I'm excited for the next step of my design and technical apparel adventure as the industry is experiencing a renaissance, the result of innovations in materials, manufacturing processes and a thriving market of adventure enthusiasts pursuing an ever expanding range of activities."

[linkedin.com/in/courtneyneray/](https://www.linkedin.com/in/courtneyneray/)





**Flow Commuter
Cycling Backpack**
Cool. Comfort.
Conventional backpacks that claim ventilation systems rely on air movement from heat rising, and aim to get stationary air from the inside out. This is inherently inefficient, resulting in excess sweat building up between the wearer's back and the backpack. In contrast, the Flow backpack regulates moisture from sweat by enhancing laminar flow through channels in the back panel, creating a system that is even better than if the pack were not there. The result is a cooler, breezier ride that's dry and comfortable. For commuter cyclists, it means arriving to work or home without the telltale 'wet patch' on the back.

Luisa Patino

"I believe that function and aesthetics are the key to all successful designs. Although both can work on their own, it is by their combination that a design can truly succeed. My background in both industrial and technical apparel design has honed my attention to detail, collaborative mindset, and dynamism. Having lived in different countries has made me very receptive and observant, and to be unafraid of the unknown. I am always willing to learn and am excited to be able to collaborate as a technical apparel designer for the outdoor industry, where functionality can change people's lives for the better!"

[linkedin.com/in/lupatino/](https://www.linkedin.com/in/lupatino/)



Luisa Patino has created a new way to minimize breast movement for women who participate in high-impact sports. Her sport bra is engineered through innovative construction techniques, structural analysis and technical fabrics to provide increased adjustability options and comfortably stabilize cross-over breast movement during activity. The Limitant aims to offer women the support and control that their body doesn't.



A portrait of Kealy Sweet, a woman with short, dark brown hair, smiling warmly. She is wearing a black, semi-transparent button-down top and large, colorful, teardrop-shaped earrings. The background is a plain, dark grey.

Kealy Sweet

"My design ethos reflects my approach to life – searching for new adventures, finding challenging trails, and looking for ways to improve. The "Seeker Short" is the result of years of immersive research in mountain bike apparel and the quest for a woman's bike short that climbs like a pro and descends with flow."

[linkedin.com/in/kealysweet](https://www.linkedin.com/in/kealysweet)



Kealy Sweet has combined two passions: mountain biking and design thinking. In the Seeker Short, she has created an improved performance bike short for women that looks and feels great—both while standing still and shredding the trails. Features include an innovative adjustment system, improved patterning for increased range of motion, and high-tech fabrics. Kealy also works with cycling apparel brand, 7mesh and hails from the mountain bike mecca of Squamish, BC, where hitting the trails counts as R&D.



Eric Tuason

“Growing up in an entrepreneurial family, I was raised to have a creative and inventive spirit. My attention is always drawn to the fascinating, the unusual, and the overlooked. With a background in business operations, marketing, and photography, I see problems through a holistic lens and am driven by the end user experience. This mindset has shaped my design process for creating new products in the technical apparel space. I look forward to connecting with people and companies with interesting problems to solve.”

[linkedin.com/in/erictuason](https://www.linkedin.com/in/erictuason)





The Variant Techwear Bag project is fuelled by three notable trends in the consumer market: the formation of a new consumer niche called urban techwear, the surge in demand for men's bags and the growth in the mobile technology movement. The opportunity lies at the intersection of these trends - designing a smart, functional, lightweight carry solution for urban techwear users that's designed to fit various mobile devices and everyday carry items. The technical makeup of the bag is inspired by ultralight backpacking and the military, but adopts the aesthetic, which is in line with streetwear style. There are very few options that blends these design philosophies well enough, and the demand is consistently outpacing the supply. The Variant is my response to the challenge of defining the sweet spot between outdoor performance and street fashion.



Thank you





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