# Ryan Biette

www.rbiette.github.io

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Somerville, MA

## EDUCATION

**MS Human Factors Engineering, 2020**
**Tufts University, Medford, MA**
FAST-TRAC Scholar, NOD Recipient

**BS Human Factors Engineering, 2019**
**Tufts University, Medford, MA**
Entrepreneurship Minor, Magna Cum Laude, Honos Civicus

Activities: Tufts Human Factors and Ergonomics Society, Tufts Habitat for Humanity, Tufts Mountain Club

## EXPERIENCE

**Junior UX Researcher/Designer**
**Cognito Therapeutics, Cambridge, MA**
May 2018 - December 2019
(Promoted from UX Research Intern)
- Managed and completed usability and concept testing
- Performed data synthesis
- Collaborated with R & D department on development of product design and user interface
- Conducted clinical trial interviews with Alzheimer's patients

**Part-Time Crew Lead**
**Clif Bar & Company, Emeryville, CA**
April 2017 - Present
- Organize and execute marketing events across the Northeast serving 100 - 300,000 fans
- Analyze feedback, and create athlete and consumer connections

**Monitoring/Data Analysis Intern**
**SunBug Solar, Arlington, MA**
June 2017 - August 2017
- Analyzed fleet data and performance
- Wrote software to collect and analyze large data sets on the company's fleet
- Led research and customer outreach efforts
- Fixed monitoring issues at over 15 sites

**Engineering Intern**
**Seedsheet, Middlebury, VT**
May 2016 - December 2017
- Created and tested new prototypes for product development
- Managed shipping and supply chain logistics in the US
- Helped receive $500,000 investment on ABC's "Shark Tank"

## RECENT PROJECTS

**Graduate Capstone Project - AR for Wayfinding Tasks**
Researched the efficacy and usability of different augmented reality interfaces for wayfinding tasks within a complex grocery store environment

**Undergraduate Capstone Project - VR as a Treatment for Chronic Pain**
Worked with an interdisciplinary team to build a virtual reality application to enhance and extend treatment options for patients with chronic pain

**Team Lead - SmartCane**
Led a team of five to build a location system to help the elderly find their mobility devices and maintain independence, which my grandmother successfully uses

**Student Solar Installation - Project Manager**
Managed a two-year project with a local solar construction firm and Tufts University Facilities to build a $30,000 off-grid solar charging station on campus with educational signage

## RELEVANT COURSEWORK

- Advanced Engineering Psych
- Human Machine System Design
- Human Factors Product Design
- Computer Aided Design
- User Interface Design
- Industrial Design
- Management of Innovation
- Industrial Design
- Engineering Management
- Technical Communications
- Assistive Technology
- Lean Six Sigma
- Research Methods
- Applied Data Science

## CERTIFICATIONS/ORGANIZATIONS

Lean Six Sigma Black Belt (2020)
UXPA Boston Speaker, *VR for Chronic Pain* (2019)
UXPA Member (2018 - Present)
HFES Member (2019 - Present)

## SKILLS

- UX Design
- UI Design
- User Research
- Usability Testing
- Qualitative Synthesis
- Prototyping
- Product Design
- Project Management
- Lean Methods
- AutoCAD/Inventor/Fusion
- Sketch
- Illustrator
- Photoshop
- InVision
- Statistics
- HTML/CSS
- Python (basic)