

# caitlin coyiuto

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## skills

### Languages

Javascript/Type-script, Java, Ruby, PHP, SQL, C/C++, C#, Python, HTML, CSS

### Frameworks/Libraries

Node.js, D3.js, JQuery, Bootstrap, JsPsych, Mocha, JUnit, Vue

### Tools/Environment

Git, Rails, Unix, Unity, MATLAB

### Design

Adobe Photoshop, Indesign, Premiere Pro

## education

### Carnegie Mellon University, School of Computer Science

Master of Human-Computer Interaction  
AUG 2020 / PITTSBURGH, USA

### University of British Columbia (UBC)

B.CS in Integrated Computer Science, GPA 3.80/4.00  
MAY 2019 / VANCOUVER, CANADA

### Wellesley College

B.A in Neuroscience, Music Minor, GPA 3.61/4.00  
MAY 2016 / WELLESLEY, USA

## research experience

### Multimodal UX VR Lab, UBC

SEP 2018 - APR 2019 / VANCOUVER, CANADA

- ▶ Second author in publication investigating asynchronous collaboration in VR; accepted into ACM CSCW 2019.
- ▶ Performed usability studies and content analyses.
- ▶ Derived design solutions and implemented novel features using Unity and C# with the HTC Vive.

### Mechanisms of Affective Dysregulation Lab, Wellesley College

MAY 2014 - MAY 2016 / WELLESLEY, USA

- ▶ Recruited, screened, and tested participants using behavioral and neurophysiological (electroencephalography [EEG]) measures.
- ▶ Involved in EEG data processing and developed protocol for analysis.

## technical experience

### UBC Visual Cognition Lab, Front-End Developer

MAY 2018 - JUL 2019 / VANCOUVER, CANADA

- ▶ Lead conversion and redesign of the existing Java codebase to utilize modern web frameworks such as Node.js, D3.js.
- ▶ Implemented visualization experiments that are currently being run on participants.
- ▶ Designed documentation to be dynamic, drawing directly from configuration files within the framework.

### SAP, Jam Extensions and Platform Developer Intern

SEP 2017 - APR 2018 / VANCOUVER, CANADA

- ▶ Supported the introduction of bot workflow into Jam Messages by implementing OData API entities and endpoints using Ruby on Rails.
- ▶ Developed new webhooks for Jam-specific events.
- ▶ Created Jam Messages chat bots designed to provide integration with JIRA and the SAP Learning Management System.
- ▶ Demoted bots to senior executive and at the internal SAP conference.

## awards

### Student Library Award for Independent Study, Wellesley College

SPRING 2016

### Inducted into Sigma Xi as Associate Member, Wellesley College

SPRING 2016

### Winner of Brandeis-Wellesley Concerto Competition, Wellesley College & Brandeis University

SPRING 2016

### Science Center Summer Research Award, Wellesley College

SUMMER 2015

## projects

### Astrobotic CubeRover

SEP 2019 - DEC 2019

- ▶ Assisting in designing and developing UI components for the ground interface of the space rover using Vue, Electron and Javascript.
- ▶ CubeRover is expected to launch to the moon in 2021.

### UBC Faculty Data Visualization

JUN 2019 - JUL 2019

- ▶ Developed a python web crawler that extracted UBC faculty information, and implemented data visualizations in D3.js to display faculty remuneration by gender, department and position.