

caitlin coyiuto

coyiutoc.com
coyiutoc@gmail.com
412-977-3513

skills

Languages

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

Frameworks/Libraries

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

Tools/Environment

Git, Rails, Unix, Unity, MATLAB

Design

Adobe Photoshop, Indesign, Premiere Pro

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#.

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.

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

education

Carnegie Mellon University, Master of Human-Computer Interaction

AUG 2019 - AUG 2020 / PITTSBURGH, USA

University of British Columbia (UBC), B.CS in Integrated Computer Science

SEP 2016 - MAY 2019 / VANCOUVER, CANADA
GPA 3.80/4.00, Dean's List

Wellesley College, B.A in Neuroscience, Music Minor

SEP 2012 - MAY 2016 / WELLESLEY, USA
GPA 3.61/4.00, Cum Laude

work

Front-End Developer, UBC Visual Cognition Lab

MAY 2018 - JUL 2019 / UBC, 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.
- ▶ Acted as intermediary between researchers and developers, and proposed workflows to emulate that of Agile methodology.

Jam Extensions and Platform Developer, SAP

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.
- ▶ Demoed bots to senior executive and at the internal SAP conference.

projects

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.

SURFCal

MAY 2018 - JUL 2018

- ▶ Produced a calendar web-based application in a team, operating as a full-stack developer by integrating SQL queries in the backend and implementing calendar item functionality using PHP, Javascript and HTML.