caitlin coyiuto

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skills

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

Frameworks/Libraries
Node.js, D3.js, JQuery, JsPsych, Mocha, JUnit

Tools/Environment
Git, Rails, Unix, Unity, MATLAB

Design
Adobe Photoshop, Indesign, Premiere Pro

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

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.

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.

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

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 renumeration 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.