caitlin coyiuto

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skills

Languages
Javascript/Typescript,
Java, Ruby, PHP, SQL,
C/C++, C#, HTML, CSS

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

Frameworks/Libraries
Node.js, Express.js,
D3.js, JQuery, JsPsych

Design
Adobe Photoshop,
Adobe Indesign

Music/Video
MaxMSP, Ableton Live,
Sibelius, Amadeus Pro,
Audacity, Adobe Premiere Pro

awards & recognitions

**Student Library Award
for Independent Study**
Spring 2016 | Wellesley College

**Inducted into Sigma Xi
as Associate Member**
Spring 2016 | Wellesley College

**Winner of the Brandeis-Wellesley
Concerto Competition**
Spring 2016 | Wellesley College,
Brandeis University
Performed as flute soloist with the
Brandeis-Wellesley Orchestra

**Science Center Summer
Research Award**
Summer 2015 | Wellesley College

education

B.CS in Computer Science
2016-2019 | University of British Columbia, *BC, Canada*
3.95/4.33

B.A in Neuroscience, Minor in Music
2012-2016 | Wellesley College, *MA, USA*
3.61/4.00, *Cum Laude*

projects

HCI Final Project – Save-on-Foods
Sept 2018 – November 2018 | University of British Columbia, BC, Canada
- ► Redesigned department navigation and introduced new list functionality to existing Save-On-Foods web interface.
- ► Developed task scenarios, conceptual models, and cognitive walkthroughs.
- ► Performed and analyzed usability studies to evaluate original interface and med-fi prototype.

Code Conversion Project at *the Visual Cognition Lab*
May 2018 – Present | University of British Columbia, BC, Canada
- ► Leading conversion and redesign of the existing Java codebase to utilize modern web frameworks such as Node.js, D3.js.
- ► Proposed developer-researcher workflows, and performed an exploratory study to assess usability of JsPsych framework from an end-user programmer perspective.
- ► Implemented functional proof of concepts to assess framework usability – these POCs were piloted, then formalized as visualization experiments that are currently being run on participants.

SURFCal Web Application
May 2018 – July 2018 | University of British Columbia, BC, Canada
- ► Produced a calendar web-based application that allows users to view, add, and update calendar items of differing types.
- ► Operated as a full-stack developer by integrating SQL queries in the backend and implementing calendar item functionality using PHP, Javascript and HTML.

work experience

Research Assistant at the *Multimodal User Experience VR Lab*
Sept 2018 – Present | University of British Columbia, BC, Canada
- ► Performed content analysis on post-task interview transcriptions on study investigating asynchronous collaboration in VR.
- ► Identified 147 concepts, and aggregated them into 24 themes through multiple iterations.

Jam Extensions and Platform Developer Intern at *SAP*
Sept 2017 – April 2018 | Vancouver, BC, 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.

Research Assistant at the *Mechanisms of Affect & Dysregulation Lab*
May 2014 – May 2016 | Wellesley College, MA, USA
- ► Recruited, screened, and tested participants using behavioral and neurophysiological (electroencephalography [EEG]) measures.
- ► Organized, processed, and analyzed data.
- ► Assisted in developing EEG protocol for data analysis.
- ► Trained new lab assistants in EEG protocol.