Hayley Guillou

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hayleyguillou.github.io/devportfolio

Work History

Full Stack Software Developer, *Varian Medical Systems*
Winnipeg, MB || January 2017 to August 2017

- Initiated comprehensive UI/UX review after noticing numerous inconsistencies in design elements and errors in logical flow.
- Improved performance of a slow data table through SASS functions.
- Implemented front-end solutions using Angular, Typescript, Webpack, and Sass; created and maintained API endpoints in the backend using Java, Jersey, and Hibernate.

Junior Software Architect, *Azbil Corporation*
Fujisawa, Japan || May 2015 to April 2016

- Architected a cloud application to remotely control PLC controllers in factories worldwide, eliminating the need to physically go to the factory to retrieve data and set parameters.
- Developed prototypes using Node.js, Express, jQuery, and Jade to demonstrate NoSQL database functionality and potential user interfaces.
- Wrote technical reports and extensive documentation explaining findings and architectural decisions for senior managers and future developers.

Software Developer, *Protegra*
Winnipeg, MB || September 2014 to December 2014

- Participated in requirements gathering and writing RFPs.
- Developed a conference engagement app for both iOS and Android using Objective-C and Java, respectively.
- Managed SQL/SQLite databases and cloud-based web services (Azure) using REST and JSON.

Skills

- User and UX research
  - User study design, user interviews, user stories, and requirements gathering
- Data analysis and visualization
- Technologies: Python, Git, SQL, HTML/SASS/Javascript, Java, REST/JSON
- Agile and JIRA

Education

Master of Science
Human-Computer Interaction
University Of British Columbia
September 2017 to February 2020

- Recipient of CS Merit Award ($10,000 entrance scholarship)
- Thesis: Is Your Time Well Spent? Reflecting on Knowledge Work More Holistically
- Publication to appear at CHI 2020 in Honolulu (top HCI conference/publishing venue, 24.3% acceptance rate)
- TA: HCI Methods, Advanced Relational Databases, Data Visualization, and Web and Cloud Computing
- Mentored CS student during summer 2019; created tech specs for the student to implement and provided one-on-one assistance
- Mentor at BMIAI Hackathon 2018 and GIRLsmarts4tech 2017/2018

Bachelor of Science
Computer Science
University Of Manitoba
Winnipeg, MB

- Graduated with 4.15/4.5 GPA
- Recipient of President's Scholar Scholarship ($5000 over 4 years, awarded to ~250 incoming students)
- Worked in HCI Lab as a Research Assistant for 2 terms
- Presented poster at the GRAND-NCE national conference in Ottawa