Emily Chen

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SKILLS

Programming: Java, Ruby on Rails, C#, TypeScript, JavaScript, SQL, HTML/CSS, Python, XAML, C++, Racket
Tools: Git, Azure DevOps, Agile/Scrum methodologies, REST APIs
Other: MATLAB, R, Arduino, LaTeX, Adobe Photoshop, Final Cut Pro

EXPERIENCE

Snap • *Software Engineer Intern* • *Current @ Snap Lab Software Team* • *Santa Monica, CA, USA* *Aug 2022 - Dec 2022*

Apple • *Software Engineer Intern* • *Developer Publications Team* • *Vancouver, BC, CAN (Remote)* *Jan 2022 - May 2022*

- Created a custom admin interface using Ruby on Rails, ***saving 200+ future hours of developer time***.
- This interface was ***deployed for use during Apple's World-Wide Developer Conference (WWDC) 2022***.
- Implemented MVC design pattern, streamlining engineering processes within the Developer Publications team.

Microsoft (x2) • *Software Engineer & Garage Intern* • *Redmond, WA, USA* *May 2021 - Aug 2021 & May 2022 - Aug 2022*

- As scrum master, worked with PM to deliver efficient, well-structured, testable, and documented technical deliverables based on user requirements; helped guide team to reach MVP and then product testing phases while working cross-functionally across five different teams to understand requirements, launch new features, and iterate using existing internal solutions.
- Defined and implemented a ***scalable UWP application*** and ***proprietary algorithm***, integrating the ***Azure Maps API and Microsoft's Connected Vehicle Platform***. Owned the client code (XAML and C#), defined the structure and architecture using the MVVM (model, view, view-model) design pattern, and integrated back-end APIs with front-end components, completing 40+ pull requests.
- ***1 of 50*** North American Garage SWE interns ***selected from over 10,000 applicants*** for the Garage Internship.

University of British Columbia • ***Undergraduate Teaching Assistant (TA)*** • *CPSC 110 & CPSC 210* *Sep 2020 - Dec 2021*

- TA for Software Construction (CPSC 210) & Computation, Programs, & Programming (CPSC 110); led 75+ weekly labs, office hours, code reviews, and grading sessions for ***200+ students, receiving perfect student evaluations of teaching (100% favourable rating)***.

University of British Columbia • ***Undergraduate Research Assistant*** • *SAR Lab* *May 2020 - Aug 2020*

- Worked closely with professor Stefan Reinsberg and PhD student Firas Moosvi (SAR Lab), Biomedical Imaging & AI Lab cluster.
- Created a web application and python script for data visualization that layers histology images by tiling, colouring, and overlaying.
- Developed an arduino program to control the PT410 Cryorefrigerator used to keep the 7T Bruker Magnet running.

Science Undergraduate Society • ***Elections Chair*** • *University of British Columbia* *Aug 2020 - May 2021*

- Led team of elections administrators to organize Science Undergraduate Fall 2020 Elections, Vantage College 2020 Elections, AMS Rep By-Elections, and Spring 2021 Elections, and coordinated various events for students across the entire faculty of science.
- Sent email blasts to all 9487 students currently registered in the faculty of Science, communicated with professors and faculty, and planned and led weekly meetings using agendas and follow-up action items.

The C.O.D.E. Initiative • *Volunteer Instructor* *July 2020 - July 2022*

- Led 25+ sessions, teaching Scratch & web development to neurodiverse kids ages 8-18 on the autism spectrum.
- Delivered fun lesson plans (including HTML/CSS/JavaScript and other concepts) tailored to each individual learner.

EDUCATION

University of British Columbia • Master of Management & BSc Honours Computer Science (Dual Degree)

- May 2024 Grad | Dean's List 2019-2020, 2020-2021
- UBC Launchpad Software Developer 2021-22 | Science Undergraduate Society Elections Chair 2020-21
- AIESEC UBC VP Finance 2020-21, VP Incoming Global Talent 2019-20 | Hot Potato Initiative Foundation Ambassador 2020-21

PROJECTS

Common Grounds • Github • Devpost ***Stanford Tree Hacks Grand Prize Winner 2021 (#1 of 722 participants)***
A video-calling platform that uses OpenAI's GPT-3 language prediction model to generate prompts designed to spark conversation and form connections between people with *differing* opinions.

R.A.N.T. (Robots Are Not Taking our jobs) • Github • Devpost ***TOHacks Second Place Overall 2021 (#2 of 744 participants)***
A web platform that generates interview prompts from user-inputted files, using Open AI's GPT-3 language prediction.

Launchpad Interview Scheduler • Github • Launchpad ***UBC Launchpad Software Design Team 2021-22***
A web app that merges multiple interviewer availabilities to simplify and streamline interview scheduling as a custom solution.