

Aryan Gandhi

Computer Engineering Student

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TECHNICAL SKILLS

Programming: C, Python, Java, Linux, JavaScript, HTML, CSS, SQL, Verilog, ARM, React, Redux

Software Tools: GitHub, Microsoft Office, Visual Studio, MATLAB, Quartus, ModelSim, Cypress

Hardware: Microcontrollers, Oscilloscopes, Multimeter, Breadboard, DE1-SOC Board

EDUCATION

University of British Columbia
Bachelor of Applied Science - Computer Engineering

Expected Graduation: May 2024

TECHNICAL WORK EXPERIENCE

SAP, Vancouver, British Columbia
Agile Developer

May 2021 – Aug 2022

- Formulated bug fixes and developed novel features through hands-on programming design utilizing JavaScript, HTML, and CSS to deliver an improved product to clients
- Developed unit, integrated, and automated testing using Jasmine and Cypress frameworks
- Adopted lean and agile software development principles by collaborating in a team setting and using online tools such as GitHub and JIRA to organize workflow
- Interpreted and improved code by working on a codebase using debugging tools and end-to-end software development principles

ENGINEERING STUDENT TEAMS

UBC Launchpad, University of British Columbia
Software Developer

Sept 2020 – Present

- Partnered with other developers and designers to ideate and build a project for 8 months
- Utilized Agile workflows, continuous integration, automated testing, and GitHub to coordinate team development efforts and handle version control whilst creating a productive development pipeline

TECHNICAL PROJECTS

Interview Scheduler, UBC Launchpad

Apr 2022

- Developed a web application using React, Express.js, Typescript, Firebase, and Docker which allows for internal team leads to match their availabilities and book interviews with new applicants
- Implemented interviewees to input and modify their availability, algorithm for generation of unique links for each interviewee to book their interview, and google calendar integration

Emotion Detector and Song Suggester, University of British Columbia

Apr 2021

- Utilized a machine learning algorithm that self-written and trained with over 10,000 images to infer the user's mood and produce a corresponding Spotify playlist that best fit the inferred current mood
- Programmed the web application using Django, HTML, CSS, JavaScript, Python, and Pytorch

RISC Machine, University of British Columbia

Nov 2020

- Designed and accomplished a 16-Bit instruction supported CPU on an FPGA Board DE1-SOC utilizing Verilog, Quartus, and ModelSim

INTERESTS & ACTIVITIES

Computers, Basketball, Football, Volunteering, Weight Training, Puzzles, Reading