

Steven Huang

Computer Engineer

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Driven student leveraging studies in Computer Engineering seeks real-world experience as Software Development Engineer. Offers strong software design and management skills.

Education

Vancouver, BC	University of British Columbia	2018-09 - 2022-04
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- Major: Computer Engineering, B.A.S.C (GPA: 3.69)
- Coursework: Data Structures & Algorithms, Network Communication, Operating System, Circuits, Signal Processing, Embedded System Design, Process Concurrency, Computer Arch.
- UBC Trek Excellent Scholarship of \$1000
- UBC Outstanding International Student Award of \$15000
- UBC Dean's Honor List
- President of Association of Chinese Canadian Engineering Professionals and Technologist Team at UBC

Work Experience

Teaching Assistant	University of British Columbia	2021-09 - Current
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- Monitored the lab sections, answered questions on Piazza and graded the assignments for a course that taught about OS161 operating system, process concurrency, communication, and scheduling

Researching Assistant	University of British Columbia	2020-09 - 2021-01
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- Researched in a Bug-report-dataset project. Located bugs on Android Apps from a set of bug reports and reproduced the bugs using Android Automator. Paper Published:
(https://people.ece.ubc.ca/mjulia/publications/AndroR2_2021.pdf)

Software Development Engineer Intern	Alibaba Group	2021-06 - 2021-09
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- Built an Alibaba's internal payment platform called Smart-Pay that handles internal payments such as daily purchases and employee salary with my supervisor and his team.
- Reconstructed and innovated the approval process structure in Alibaba's Account Payable team
- Used SchedulerX middleware to backup 12 billion of data to a new database to boost up the platform

Project

Torch

- Developed an Android app that allows users to calculate the current number of people inside a store remotely, so that the users can estimate the risk of going to the store under this Covid-19 circumstance.
- Integrated OpenCV library to implement the people counter feature with a camera
- Implemented APIs and setup MongoDB database schema to persistently store user information

Online Price Monitor Application

- Developed a web app for Cymax Group to monitor the price of its products across different e-commerce platform. Once a reseller is selling a price below a minimum price, a warning email will be sent to notify Cymax Group.
- Developed a notification system using AWS Simple Email Service to notify the users
- Built a job scheduler using APScheduler to schedule the web crawling job and designed RESTful backend server to communicate efficiently with the front-end web pages

Goal-Starter

- Built an android app allowing users to create and to manage with their goals. Users can add friends with each other enabling them to view, comment and like friends' goals
- Setup the MongoDB database schema and RESTful APIs
- Applied the google login system to our app to authenticate users when they try to login