MAGGIE GU

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TECHNICAL SKILLS

Programming: ARM Assembly, C, HTML/CSS, JavaScript, Java, Python, R, Rust, React Native, SystemVerilog
Frameworks/Libraries: Bootstrap, Next.js, PyTorch, React Native, React, Tailwind CSS
CAD Software: AutoCAD, Cura, SketchUp, Solidworks
Languages: English, Mandarin, French

EDUCATION

University of British Columbia   September 2019 - April 2024 (Anticipated)
Bachelor of Applied Science, Computer Engineering
- Presidential Scholars Award & Tuum Est Award
- Activities: UBC Residence Life Advisor, First-Year EUS Tutor, Orientation Leader
- Completed 2 years in Civil Engineering with minor in Computer Science

WORK EXPERIENCE

Project Management Intern   February 2022 - August 2022
Tesla Motors   *Fremont, CA*
- Designed and managed Self-Perform team's employee time tracking platform to increase managerial participation from 13% to 88%
- Drove infrastructure projects from client request to building stage with project valuation up to $1.8 million
- Automated team processes and communication with vendors to reduce communication time and sort incoming daily files (up to 1k/day) with 94% accuracy

Project Coordinator   May 2021 - August 2021
Springline Construction   *Salmon Arm, BC*
- Organized and oversaw construction of key components of HWY 1 Expansion project: overpass & bridge construction, curb placement & paving, earthworks
- Prepared and managed site documentation, performed quantity takeoffs and participated in client meetings

Software Engineer   October 2020 - March 2021
Vancouver General Hospital   *Vancouver, BC*
- Communicated with Radiology Department to solidify deliverables and report progress through biweekly meetings
- Drafted designs of mobile interface using Figma to lead mobile interface
- Fixed bugs found in existing front-end and back-end web and application software

Engineering Intern   July 2020 - Nov 2020
EHD Consulting Ltd.   *Kamloops, BC*
- Received job offer for return position in Summer 2021 & 2022 (Declined)

EXTRACURRICULARS

Research & Development Engineer | *UBC Faculty of Medicine*   January 2022 - October 2022
- Led software development of proprietary software to improve virtual healthcare monitoring
- Worked with stakeholders within UBC Faculty of Medicine and Vancouver General Hospital

Research Assistant | *UBC Department of Civil Engineering*   November 2021 - April 2022
- Developed program using Python to model environmental impact through infrastructures' lifetime & ran program with test cases from known data to verify accuracy
- Collaborated with mentor and faculty advisor to tailor program for clients including the City of San Francisco and Vancouver

Captain of Operations & Finance | *UBC BEST*   May 2021 - October 2022
- Managing over 100 undergraduate and graduate students spread across eight sub-teams
- Oversees hiring process by coordinating with projects, outreach and social media sub-teams

INTERESTS

- Landscape Photography & Hiking
- Classic Literature