Thomas Vy

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A motivated and reliable software engineering graduate with a programming background in automation and build systems. Currently seeking a permanent full-time software developer position with the possibility to evolve into a leadership role.

EDUCATION

Bachelor of Science in Software Engineering September 2016 – May 2021
Schulich School of Engineering, University of Calgary

- Graduated with Distinctions, 3.89/4.00 GPA
- Competed Internship Program in August 2020

SKILLS

- **Proficient Languages:** C/C++, Python, JavaScript, Java, React
- **Familiar Languages:** PowerShell, Batch, Bash, PHP, Laravel, MIPS and RISCV Assembly
- **Other Technical Skills:** Git/GitHub, Squish GUI Tester, Qt, Data Structures and Algorithms, Data Base Management Systems, Computer Networks, Socket Programming, Jira, XPath for XML, Team Foundation Version Control
- **Operating Systems:** Linux, Windows 10, MacOS X
- **Communication:** Presented and suggested innovative ideas to teammates in various settings such as presentations, projects, and code reviews
- **Leadership:** Demonstrated the ability to coordinate others in a group such as planning and assigning tasks for sprints
- **Teamwork:** Flexible mindset with the ability to sacrifice self-benefit for the greater good of the group

RELEVANT EXPERIENCE

Software Developer Intern May 2019 – August 2020
GEOSLOPE International Ltd., 700 6 Ave SW #1200

- Programmed the main software using C++
- Performed daily code reviews for co-workers
- Participated in pair-programming and mob programming
- Wrote Squish GUI Tests
- Wrote and managed PowerShell/Batch scripts
- Managed build systems
- Led daily stand-ups
- Performed a Lunch and Learn presentation on Git/GitHub
- Acted as a stand-in team lead
- Led a retrospective
- Participated in a backlog grooming

Software Team Member October 2018 – January 2021
University of Calgary's Solar Car, University of Calgary

- Programmed a song player using Qt and C++
- Manually tested software and wrote bug reports
- Ported software from Linux to Raspberry Pi
- Performed a presentation on Git to recruits
- Completed code reviews for team members
- Performed recruitment interviews

Summer Researcher Assistant May 2018 – August 2018
Robotics and Sensor Network Group, University of Calgary

- Programmed a navigation system using C++ and Python that allows a robot to traverse a room autonomously
- Helped invent a LIDAR mounting device for a robot
- Successfully developed a C++ mapping program based on laser data
- Incorporated a navigation system into a robot to allow autonomous movement
- Taught colleagues how to use ROS, C++, and Python

Software Team Member September 2017 – April 2018
Schulich Unmanned Aerial Vehicle, University of Calgary

- Created a Python program to merge two individual planned paths
- Designed a server-client application to process images
- Analyzed camera qualifications to find a camera that can get live feedback and record at the same time
- Programmed software for an operating system called FlytOS to work with a Raspberry Pi inside the airplane

ACHIEVEMENTS

- Outstanding Java Final Project, ENSF 409: 2018
- Jason Lang Scholarship: 2016, 2018
- Dean's List, Schulich School of Engineering: 2016, 2017, 2021
- Dean's List, Faculty of Science: 2015