William Banquier

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EDUCATION

University of British Columbia — Vancouver, BC
Bachelor's Of Computer Engineering, with Co-op – Dean's List — *Sept. 2023 – May 2028*

EXPERIENCE

Software Developer Intern — May 2025 – Aug. 2025
Softek Computer Services Incorporated — *Toronto, ON*
- Reconfigured and modernized language parsing for a financial programming language, increasing performance
- Modernized 3 critical internal and external financial applications using C# and .NET 8, improving performance and enhancing security compliance.
- Engineering a new reconciliation solution to process over 100,000 daily financial positions for a major client.
- Programmed asynchronous network handlers from core services linking them to UI instruments.
- Performed low-level performance tuning on internal network system by analyzing .NET compiler (Rosyln) behavior, allowing for optimized performance for core services.

Arm Team Member, End Effector Project — Sep. 2023 – Present
UBC Rover, University of British Columbia Design Team — *Vancouver, BC*
- Working on a rover competing for the University Rover Challenge and the Canadian International Rover Challenge
- Designing a Tool Changing Robotic End Effector for hazardous terrain
- Coordinated End-Effector project; coordinator between project and other members of our cross-functional team
- Designed custom parts for manufacturing, wrote test code for our robotic arm, designed our communication system with the rover-wide CAN system.

Teaching Assistant — 2018 – 2019
Hatch Coding — *Toronto, ON*
- Helped teach ∼ 20 student class in Python and JavaScript
- Provided programming assistance to students within the class

PROJECTS

Huawei ICPC Winter Challenge | *C++, Python, Math* — Dec. 2025 – Jan. 2025
- Competed in the Huawei ICPC Winter Challenge - developed a software package for optimizing optical switch connections for neural processing units. Ranked 983rd out of 3235 competitors
- Using Python I developed a certifier program alongside a general testing program to increase development efficiency.

UBC GradMap | *Java, Gradle, Docker, Git, JUnit, Mockito, Burp Suite* — Oct. 2024 – Present
- Created an academic planning website called UBC Gradmap
- Architected and implemented the CI/CD pipeline using GitHub actions, automating the build, testing and development process for the springboot backend.

Robotics Club, Club Head and Member — 2018 – 2023
Upper Canada College VEX Robotics Club — *Toronto, ON*
- Led and managed a 54-member VEX robotics club, mentoring students in C programming and mechanical design. Securing provincial-level competition placement

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, C#, SQL, Javascript, System Verilog
Developer Tools: VIM, Git, Linux, Docker, VS Code, Visual Studio, IntelliJ
Software: SQL Server Management Studio, MATLAB, Office Suite, Solidworks

AWARDS

William Lowell Putnam Exam (MAA): Scored in the top 50% of participants (2024)
Dean's List (UBC): Award at the University of British Columbia for Overall Academic Performance
Computer Science Award (UCC): Award at Upper Canada College for highest Computer Science grades in the year