

Matthew Shew

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SKILLS

- Applying object oriented solutions and critical thinking to solve problems
- Sharing and contributing code with others using standard branching workflows through GitHub
- Working and communicating amicably in a team environment
- Testing software with unit tests and continuous integration tools
- Debugging software using built in IDE tools, Wireshark, and GDB
- Quickly learn new languages and technologies

TECHNICAL SKILLS

Programming Languages	C++, C#, C, Java, HTML, CSS, JS, SQL
Operating Systems	Win10, Mac OS, Ubuntu
Frameworks	Win32, .NET, Qt, Laravel
Application Software	GitHub, IntelliJ, Eclipse, MS Visual Studio, MS Excel, MySQL, GDB, Wireshark

EDUCATION

British Columbia Institute of Technology (BCIT) , Burnaby, BC, Canada <i>Computer Systems Technology (CST) diploma program - Data Communication (with Distinction)</i>	2016 - 2018
University of British Columbia (UBC) , Vancouver, BC, Canada <i>Completed year 2, Bachelor of Applied Science - Electrical Engineering</i>	2014 - 2015
Langara College , Vancouver, BC, Canada <i>Engineering Certificate Program - Transfer program to gain entry to year 2 of UBC engineering</i>	2013 - 2014

PROJECTS

- Half-duplex wireless protocol to transfer data using timeouts, bid for lines, and error detection
- Android app using google maps GPS to record and display travel information
- Classified advertisements web app aimed to reduce food waste using Laravel
- 30 person multiplayer, top down battle royal shooter as part of a team using Unity
- Click and drag chess game with an AI opponent using Java
- Automated invoicing software for my parents company
- TCP/UDP data communication program to transfer and stream audio between computers

WORK EXPERIENCE

Aquabus Ferries Ltd. , Granville Island, Vancouver, BC <i>Dockwatch, Skipper, Deckhand</i>	2009-2017
<ul style="list-style-type: none">• Managed a team of approximately twenty employees by efficiently coordinating employee breaks, scheduled transportation, and a positive work environment• Captained powerboats with Deckhands to transport groups of up to thirty passengers across the waterway while providing guided tours, information of local tourist attractions and assuring customers enjoy a positive experience• Trained new Skippers and Deckhands to ensure they operate the boats safely and responsibly in all situations	

CERTIFICATIONS

Small Vessel Operator Proficiency in Boating (SVOP)	2010
St. John Ambulance Level C CPR/AED (Automated External Defibrillation) Certification	2010
Restricted Operator's Certificate (Marine Radio)	2010
Lifesaving Society Bronze Medallion/Bronze Cross	2009

INTERESTS

- Played hockey goalie from age 10 – 16 for Vancouver Thunderbirds and Prince of Wales Secondary hockey program
- Skied with Whistler Kids Club and Whistler Freeride Club until high school and love to ski in my free time
- Playing video games with friends