

Jared Rewerts

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EDUCATION

BSc., Computer Engineering Cooperative Program

September 2011-Now

University of Alberta, Edmonton, AB

Completion: April 2016

Key Electives:

Machine Learning (CMPUT 466)

Software Design Capstone (networked multiplayer video game, 3 man team)

WORK EXPERIENCE

City of Edmonton, Edmonton, AB

July 2016 – Now

Software Engineer

- Managed full software project lifecycles
- Designed and implemented advanced cloud solutions
- Integrated with multiple 3rd party APIs
- Created fullstack MERN web applications (MongoDB, ExpressJS, React, Node.js)

MDA R&D, Richmond, BC

January – August 2014

Coop Student

- Analyzed algorithm efficiency using Matlab, improving performance by 11%
- Designed front-end software in C++ using the Qt framework
- Implemented a detailed software testing and improvement plan
- Designed and implemented computer vision architecture for a 4-person team

PotashCorp, Lanigan, SK

January – August 2013

Coop Student

- Implemented user interfaces that allow for efficient data logging and viewing
- Designed web applications using JavaScript, ASP.NET, HTML and CSS
- Built back-end infrastructure using C# and Transact SQL

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COMPUTER EXPERIENCE

Language Experience

| Basic | Intermediate | Advanced |
|---------|-----------------------|------------|
| Lua | C++ | Javascript |
| ASP.NET | C | Java |
| VBA | HTML/CSS | C#/.NET |
| | SQL (T-SQL and MySQL) | Matlab |
| | Assembly | Git |

Projects

- Mailman
 - A workflow automation tool
 - Integrates with multiple Google services, including Sheets, Gmail and the add-on store
 - Used in production by over 100 City of Edmonton employees
 - Planned and implemented the project, including software design, implementation, user support and advertising
- Polyball (shown at GDX 2016)
 - A browser-based multiplayer game where the arena resizes with each added player
 - Written entirely in Javascript, using some of the most modern web technologies available (nodejs, Gulp, Browserify, jQuery, Lodash)
 - Worked with 2 software engineers, splitting work between client, server and networking

Additional Computer Experience

- Created user interfaces using QT, React, WPF and Android
- Contributed to a machine learning paper presented at the SPIE Defense and Security Conference
- Experienced with web technologies (Node, ExpressJS, Browserify, Gulp, etc.)
- Advanced development experience with Git, SVN, TravisCI, Gradle, Ant, etc.
- Hosted and maintained websites using IIS and Apache Web Server
- Experience designing software on Linux, Windows and Android