

JORDAN HEINRICHS

- Phone: (403) 399-6280 • mail@jordanheinrichs.com
 - www.JordanHeinrichs.com • www.github.com/JordanHeinrichs
-

Skills

- Competent and experienced programming using TypeScript/JavaScript and C++
- Experienced with SQL, Ruby, Python, CSS, and Perl
- Database management with MongoDB and PostgreSQL
- Front-end experience with Vue and Angular Frameworks
- Back-end experience with Node.js with Express offloading to C++ for processing
- Infrastructure experience with AWS and Docker
- Strong problem solving and troubleshooting skills
- Practiced Agile and test driven development
- Hard-working, motivated, and a team-player
- Enjoy challenges, learning, and problem solving

Work Experience

Arterys, Inc., Calgary

June 2018 - Present

Software Developer

- Full stack developer on a cloud native medical imaging application
- Developed web application with Vue and AngularJS
- Back-end development with C++, Node.js, and MongoDB
- Deployed and managed scalable clusters in the AWS ecosystem
- Coordinated small teams to estimate and release projects on time
- Worked with product team to deliver impactful features
- Researched and implemented algorithms for Cardiac MRI analysis
- Mentored junior developers with a focus on constructive feedback

Hitachi ID Systems, Inc., Calgary

May 2016 - June 2018

Intermediate Software Developer

- Enhanced an ID/access management software used in large organizations
- Improved the product's front-end web interface with jQuery and Angular with TypeScript
- Back-end development with C++ and MSSQL Server
- Maintained integration tests with Ruby and Watir
- Windows development and testing environment with Git and Cygwin

Lockheed Martin CDL Systems Ltd., Calgary
Software Developer Intern

May 2014 - Aug 2015

- Worked on software to interface between two protocols for UAV flight control
- Used Test Driven Development and other Agile methodologies
- Gained experience with C++ with QT, Perl, and Git
- Learned and implemented Domain Driven Design
- Developed for Windows, Linux, and Linux on ARM

NSERC Research, University of Calgary
Summer Research Student

May 2013 - Aug 2013

- Created a program to capture position of the hexacopter using video tracking with C++ OpenCV
- Analysis of data using Matlab and C++ for the efficiency of sensor deployment
- Presented results and data in meetings and reports

Education

BSc, Electrical Engineering, minor in Computer Engineering 2011 - 2016

- University of Calgary
- GPA: 3.9/4.0 cumulative

Extracurricular Activities

University of Calgary Solar Car Electrical Team

Sept 2013 - Jan 2016

- Created telemetry protocol to communicate over XBee radios
- Used C++ with QT framework
- Worked on embedded system for driver controls
- Interfaced with multiple systems over CAN, UART, and SPI
- Experienced with prototyping circuits and soldering
- Lead software developer, mentored newer members
- Team projects are located here:

– www.github.com/UCSolarCarTeam

Hobbies

- Endurance athlete, trail, and road running
 - 2019 Boston Marathon finisher
 - Marathon PR of 2:43:55
 - Completed my first race over 100 km at the 2019 Golden Ultra
- Ski mountaineering, scrambling, and mountaineering
 - Summited Cotopaxi Volcano (5897 m) in Ecuador
 - Climbed and skied off of Mount Columbia, the highest point in Alberta