

Joseph Lewis III

Developer and Open Source Contributor – Seattle, Washington

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Experience

Liberty Mutual

Software Developer

Seattle, Washington

2016-Present

- Built a rules engine and rules management system to automate commission management.
- Built and deployed Spring (Java) reporting applications.
- Patched information security issues in legacy systems.

Purdue University

Graduate Teaching Assistant

Lafayette, Indiana

2015-2016

- Created new course materials, labs, homework and projects
- Taught a lab section of 24 students
- Received "excellent" (top) instructor ratings for my communication and instruction

University of Denver Unmanned Systems Lab

Research Assistant

Denver, Colorado

2013-2014

- Developed a C++ embedded autopilot for UAV helicopters
- Designed custom PCBs to reduce electronics complexity
- Modified QGroundControl, a QT desktop app, to work with our system

University of Denver

Research Assistant

Denver, Colorado

2011-2013

- Created an energy use forecasting system to reduce costs and calculate the effects of "greening" buildings.
- Created a time-series data warehouse to store and explore real time IOT sensor data

Skills

Languages: Java, Python, golang, SQL, HTML5, JavaScript, C++

Education

Purdue University

Master of Science, Computer Science

Lafayette, Indiana

2014-2016

University of Denver

Bachelor of Science, Computer Science

Denver, Colorado

2010-2014

Other

2017: Coauthor "Driving Habits Data: Location Privacy Implications and Solutions", *IEEE Security & Privacy*

2011-Present: Association for Computing Machinery (ACM) Member

2009: Eagle Scout Award