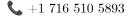
Paul J Nixon

Summary

Senior Software Engineer with Masters degree and 10 years of C/C++ experience, seeking an individual contributor or team lead role in the medical device field or other regulated software environment.

Contact

≥ pauljnixon@gmail.com



Watertown, MA, USA

mixonnet.net

Education

★ M.S. Computer Science Tufts University, 2014

B.S. Computer Engineering SUNY at Buffalo, 2012

Experience

Veo Robotics

2020 - Now

Senior Software Engineer II Languages: C++20, MISRA C

Frameworks: OpenEmbedded Linux, Sciopta RTOS

Teams: Core Vision Algorithms Team, Safety Embedded Software Team Product: ISO 13849 certified safety system for human-robot interaction

• Develop safe, high-performance code and unit tests

• Review and approve colleagues' code on GitHub code reviews

• Implement spatial algorithms and communication standards

Carlson Software

2014 - 2020

2014

Software Engineer Languages: C++11

Frameworks: Win32, wxWidgets, MFC, AutoARX, GDAL

Product: Point Cloud processing as a CAD plugin

• Architected and led implementation of new features

• Worked with support team to trouble shoot bugs and deploy fixes

• Mentored new employees and student interns

Tufts University Department of Computer Science

Teaching Assistant, Computer Graphics

Language: C++

Framework: OpenGL

• Assisted students in debugging C++ code and graphics algorithms

Tufts Univ. Research and Geospatial Technical Services 2012 - 2014

Academic Technology Fellow

Languages: PHP, HTML, SQL, Javascript

Frameworks: CodeIgniter, JQuery Product: Internal-use webform

• Overhauled webform from ColdFusion to PHP

• Migrated database from MDB to SQLite

ATTO Technology

2012

Engineering Co-Op

Team: Embedded Software Group

Languages: Python, Bash, C Framework: Python Paste

• Set up webservice installation for viewing Bazaar source control repo

• Made changes to open-source software and contributed back upstream