

Kelan Ige

ELECTRICAL ENGINEER

Chicago, IL 60612

☎ +1 (814) 422-5862 | ✉ krige89@gmail.com | in kelanige

Summary

Current Electrical Engineer with 3+ years of experience in software development. Problem solver who helps companies by developing software solutions to meet their business needs. Enjoys applying software development and engineering experience to solve the current challenges in the tech space using the latest technologies and best practices. Interested in using technology to help improve quality of life.

Professional Experience

Provisur Technologies, Inc.

Mokena, IL

ELECTRICAL ENGINEER

Jan. 2019 - Present

- Increased throughput of an industrial food slicing machine by over 20%, by researching and developing a data processing algorithm to achieve a 500Hz update rate
- Added new capability to an existing machine design, by integrating proximity sensors and pressure valve controllers and architecting and implementing new machine behaviors
- Resolved customer issues which increased machine quality and customer satisfaction, by analyzing the problem and implementing code changes to address the root cause
- Implemented a language internationalization framework to increase accessibility of the machine in multiple European markets by refactoring how strings were stored and displayed
- Designed profile sensing system which reduced product give away, by architecting hardware and software interfaces and researching and developing sensor processing algorithms

U.S. Army Tank Automotive Research, Development, & Engineering Center

Warren, MI

COMPUTER ENGINEER

Oct. 2017 - Jan. 2019

- Integrated a remote control interface with a new robot platform, by developing software interfaces to match the robot platform specifications
- Increased maintainability of code base and developer velocity, by documenting system interfaces, functionality, and implementation
- Verified software functionality which identified and documented bugs, by writing and executing a test plan based on system requirements
- Wrote technical documentation which heightened user understanding, by capturing and recording common user interactions and probable pitfalls

Skills

C/C++ 4 Years - Linux, Windows, and embedded systems

Git 4 Years - Version control with GitHub and BitBucket hosts

Microsoft Foundation Class (MFC) 2 Years - Framework for programming on various Windows platforms

Javascript 2 Years - For client-side interactive and dynamic user interfaces

AngularJS 2 Years - Framework that enables rapid development of interactive and dynamic web applications

Python 2 Years - Academic machine learning with Tensorflow, SciPy, NumPy, and Pandas

Rust < 1 Year - Currently learning

Education

University of Colorado at Boulder

Boulder, CO

M.S. ELECTRICAL ENGINEERING

Anticipated May 2023

- Embedded Systems Specialization
- GPA: 3.712
- Relevant Coursework: UX & Interface Design for Embedded Systems, Modeling & Debugging Embedded Systems, Project Planning & Machine Learning

University of Hawaii at Manoa

Honolulu, HI

B.S. ELECTRICAL ENGINEERING

Dec. 2016

- Communications & Control Systems
- Eta Kappa Nu Honor Society
- Relevant Coursework: Computer Communication Networks, Computer Data Structures & Algorithms