Eric Odell

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Education

UNIVERSITY OF WASHINGTON   JUNE 2016 (EXPECTED)

Majors: Computer Engineering and Systems, Computer Science and Systems, Minor: Mathematics

Cum Laude Graduate Honors (expected)

SEATTLE CENTRAL COMMUNITY COLLEGE   2008-2010

Coursework: Computer Engineering Prerequisites

Projects & Skills

KAZUME WEB APPLICATION   PRESENT

Full MEAN web stack, with AngularJS, jQuery, Bootstrap, CSS, full featured UX.

NodeJS server API design with Express and NoSQL MongoDB backend architecture and design.

SLEEPSAFE WEARABLE IOT MONITOR   PRESENT

Developed and fabricated PCB layout, circuit design, and procedural embedded C/ARM assembly firmware.

Integration with custom network protocols and transport layers, including network discovery technology.

Android application development supplying the controller for the device, include network communication and FOTA.

EMBEDDED DESIGN PROJECTS   DECEMBER 2015

Remotely operated animatronic hand using Intel Edison MCU to control remotely operated fingers from flex resistance glove.

Facial recognition unlocking device using OpenCV image processing software to control servo lock mechanism.

Water tank level control system using software designed PID controller and motor controller for pump flow control.

SKILLS

Proficient in algorithmic design and data analysis techniques used to maximize time and space efficiency.

Digital logic design and testing using Verilog HDL, FPGA's, MATLAB, R, and other software packages.

Experience designing and building circuits for practical applications, including testing using oscilloscopes, logic analyzers and other laboratory equipment

Experience

SOFTWARE ENGINEER | KAZUME   PRESENT

Organized full MEAN web stack, with AngularJS, jQuery, Bootstrap, CSS, full featured UX.

NodeJS server API design with Express and NoSQL MongoDB backend architecture and design.

PRODUCTION TECHNICIAN | PACIFIC OFFICE AUTOMATION   2010-2013

Provided field support for customers on networking issues, copiers, printers, document management systems and more. Qualified Konica Minolta technician.

NUCLEAR REACTOR OPERATOR | US NAVY   2003-2008

Qualified Reactor Operator/ Shutdown Reactor Operator on S5W/S1G and A4W/A1G pressurized water reactor propulsion plants. Qualified distinction, surface warfare, Admiral's commendation.
Discharged under honorable conditions February 2008

NETWORK TECHNICIAN | IBM CORPORATION   2000-2001

Trained as a network technician in a support role to the IBM Executive Briefing Center in San Jose, CA