

# JOHN JENSON

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## OBJECTIVE:

To solve challenges and contribute to effective applications as a software engineer.

## EDUCATION:

2014 - B.S., Electrical Engineering, University of California, Santa Barbara

**LANGUAGES:** C, C++, HTML/CSS, Ruby, JavaScript, ActionScript3, MATLAB, LabVIEW, Verilog, MIPS Instruction Set

**SOFTWARE:** Microsoft Visual Studio, Git, Bash shell, Arduino IDE, Microsoft Office (Word, Excel, PowerPoint), Adobe Creative Suite (Photoshop, Flash, Flash Builder, Acrobat)

**OS:** Microsoft Windows (XP, Vista, 7, 8), Linux (Mint, Ubuntu, CentOS)

**SKILLS:** Circuit analysis, Soldering, Operating electronic test equipment

## EXPERIENCE:

Programming Consultant – Ajari Capital, Chicago, IL – 08/13 – 11/14

- Developed a Stellar Trading Systems API script to execute a complex securities trading strategy.
- Designed a task management webpage with e-mail reminder functionality using Google Apps scrip for the internal company website.

Electrical Engineering Intern – Rantec Power Systems, Inc., Los Osos CA, 07/13 – 08/13

- Created a schematic for voltage transient generator.
- Performed EMI and temperature testing on power supply hardware.

Team Programmer – Micromouse California Competition – 05/13

- Wrote a maze-solving flood-fill based algorithm in C for an autonomous robot.
- Team finished 5<sup>th</sup> out of 20 on our team's first time at the competition.

Electrical Engineering Intern – Rantec Power Systems, Inc., Los Osos CA, 06/12 – 09/12

- Performed circuit analysis of power supplies to determine component derating.
- Compiled information and created supporting documents for CDR.
- Generated ECNs for new parts.
- Located sources of OEM components for legacy products.
- Assisted in writing up a Qualification report and several Failure Analysis Reports.

Research Assistant – Naval Postgraduate School Propulsion Lab, Monterey CA, 06/11 – 09/11

- Made improvements to LabVIEW control system and improved data acquisition rate of sensors in a pulse detonation engine.
- Designed automated organization system for recorded data in LabVIEW.
- Integrated MATLAB post-processing into LabVIEW interface to quickly observe key information from sensor data.
- Assembled BNC, Molex, and MIL-STD cables and installed them.