JEFFREY HUANG

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11887 NW 69tri Place, Parkland, FL 33076

EDUCATION

University of Illinois at Urbana Champaign
B.S. Computer Engineering
Champaign, IL
Aug. 2013 – May 2017
Major GPA: **3.1**

Completed Coursework

- Data Structures and Algorithms, Computer Systems Engineering, Computer Systems and Programming, Discrete Math, Introduction to Computing

Honors

- 1st Place – PURE program, Best undergraduate research poster
- 2nd Place - Microsoft Sponsored OS Design Competition (ECE 391)

EXPERIENCE

VMware, Inc.
Palo Alto, CA
June 2015 - Present

Software Engineering Intern, Hybrid Cloud Services
Ruby, Rails, PostgreSQL, Puppet

- Worked on frontend Ruby on Rails application and backend Ruby application for deploying new VMs
- Integrated new features such as the ability to deploy a secondary master pod in the POD configuration

Quicket Solutions Inc.
Champaign, IL
Feb 2015 – May 2015

Software Engineer, Full Stack
JavaScript, Python, Web2Py

- Designed and engineered a JavaScript framework for revision control of form data in the Quicket Solutions web application.
- Slimmed down the codebase and rewrote several functions to scale
- Developed front end search feature for web application in JavaScript

University of Illinois at Urbana Champaign.
Champaign, IL
May 2014 – Jan 2015

Web Developer, Team Leader
PHP, Javascript, HTML, CSS

- Led team of four undergraduates in maintaining and developing features for a fundamental UIUC ECE course

PROJECTS

Qe
July 2015 - Present

Backend Programmer
NodeJS, MongoDB, Socket.io

- Develop endpoints for use in mobile application and used sockets for handling real time music data intended for distributed music application

Seg Fault Operating System
Mar 2015 – May 2015

Kernel Programming
C, x86

- Developed a barebones Linux inspired kernel in C and x86 capable of running on physical hardware (ASUS EEE PC) in a team of four
- Included virtual memory, signals, read/write filesystem based on inodes, user code execution, color terminal with history, full keyboard, sound, and mouse drivers, terminal driver that supported multiple virtual shells drivers, processor scheduler, dynamic memory allocation, system calls.

Image Based Navigation System
Feb 2015 – May 2015

Research and Programming
Matlab, C++, OpenCV

- Developed method for dividing large image files (25MB+) into smaller images to be recreated on demand to store on embedded board
- Applied computer vision algorithms to navigate UAV to a preset destination

SKILLS

Programming Languages & Technologies

- C++, C, JavaScript, Java, Python, Ruby, ObjC
- NodeJS, MongoDB, PostgreSQL, Web2Py, Bootstrap, Ruby on Rails, Socket.IO

Operating Systems & Tools

- Worked with Unix (Linux & OS X) & iOS
- Git, xCode, Sublime Text, Vim, Sublime Text, Brackets