JEFFREY HUANG

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EDUCATION

University of Illinois at Urbana Champaign
Bachelors Computer Engineering 2017
Taken: ECE 391, CS 225
GPA: 3.03

EMPLOYMENT

Quicket Solutions, *Part time Software Engineer*, Champaign, IL — Feb 2015 - May 2015
- Developed a front end search feature in javascript
- Developed a custom revision control system in javascript and python (client/server)
- Numerous changes to the code base, generalized and rewrote multiple sections to scale

University of Illinois at Urbana Champaign, *Undergraduate Lab Assistant*, Champaign IL — Jan 2015 - May 2015
- Lab Assistant and Grader for ECE 220, an introduction to systems and programming class

University of Illinois at Urbana Champaign, *Undergraduate Web Developer*, Champaign, IL — May 2014 - Jan 2015
- Redesigned a fundamental introductory course website for the department of ECE at UIUC
- https://courses.engr.illinois.edu/ece110/

PROJECTS

Seg_Fault OS
- Developed a barebones Linux inspired OS over the span of a month in a team of 4
- Included paging, read only file system parsing, signals, user level code, RTC / Keyboard / PIT, scheduling implemented using round robin, 10 system calls, up to 4 virtual terminals.
- Went further and implemented several extra credit features, Soundblaster 16 driver, mouse driver, DMA driver, signals, terminal colors, RTC virtualization, 5 additional system calls including sbrk

Image Based Navigation System
- Research Project trying to see if it was possible to use a camera and image matching algorithms to guide a UAV when gps and other sensors fail
- Developed the method for storing large images in physical storage using a QuadTree structure by splitting the images into smaller 100x100 images and restoring the images as needed.

SafeWalks (iOS)
- Developed a mobile application in a team of two for the police department at UIUC.
- Intended as a front end for the school's SafeWalks program and allowed students to easily send a request to the police department

AWARDS

Best Research Poster, *PURE* — Apr 2015
- Awarded best poster for the Image Based Navigation System project among a group of around 25 undergraduate teams

Memory Lane ~ VandyHacks 2015 Sponsor Prize, *Digital Reasoning* — Mar 2015
- Memory lane is an application that was developed at a hackathon at Vanderbilt that is intended to help you learn a language in a new way that is fun and effortless.

ACTIVITIES

ECE Pulse, *Webmaster* — May 2015 - Current

SKILLS

PROGRAMMING: C, C++, x86, Python, Ruby, Obj-C
FRAMEWORKS AND TOOLS: GDB, Vim, Rails, Web2Py, Cocoa Touch and iOS SDK

I can GDB my way out of any situation