Wayne Crasta

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Education

University of Illinois at Urbana-Champaign   Expected Graduation: May 2017

Bachelor of Science, Computer Engineering   GPA: 3.32/4.00

- Dean's List Spring '15   Spring '15 GPA: 3.75

- Phi Sigma Theta National Honor Society

- Relevant Courses: Data Structures, Discrete Structures, Analog Signal Processing, Differential Eq, Digital Systems Lab, UI Design, Probability with Engrg Applic, Computer Operating Systems Engineering (SP '16)

Work Experience

ViaSat Inc.   May 2015 – August 2015

Software Engineering Intern

- Member of an intern team that made multiple deliveries of production code to support the Exede inflight WiFi for Virgin America and other airlines (Docker, Elasticsearch, Logstash, Kibana, RabbitMQ)

- Created an API that interfaced with the production code and MySQL Databases (CherryPy, SQLAlchemy)

- Went through Software Development Life Cycle (Project Charter, Interface Control Documents, Unit Tests)

University of Illinois at Urbana-Champaign   August 2015 - Present

Research Assistant

- Performing studies of several network devices and software platforms that make up the Internet

Restaurant Polling web app   Summer 2016

- In 24 hours, created a restaurant polling app using the Yelp API, CherryPy, and SQLAlchemy

Santa's ELFs   Spring 2015

- Made a winter-themed clone of Atari's Breakout in SystemVerilog with an FPGA

360° Maneuverable Photo-tracking Automaton   Spring 2014

- Wired a cart attached to an Arduino to react to different light levels

- Used professional CAD software on engineering workstations for schematic capture and simulation of small digital circuits

Leadership and Activities

Engineering Council   Champaign, IL

Social Committee Executive Board   May 2015 – Present

Illini Pride Executive Board   Champaign, IL

Events & Philanthropy Chair; Largest Student Organization on Campus   April 2014 – May 2015

Sports Analytics Society   Champaign, IL

Webmaster   September 2014 – Present

Other Campus Involvement: ACM SigSoft – Software Engineering, SigMobile – Mobile Development, IEEE, Engineering Freshman Committee Social Committee

Skills

- Proficient in Python, C++, C, and LC3 Assembly

- Familiarity with Linux, Agile Methodologies, Git, Confluence, JIRA, Jenkins-CI, and MariaDB, PyTest