

Jeffrey Tao

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Objective:

I am seeking a summer internship in software engineering or web development (frontend or backend).

Skills:

Software Development: Python, C, C++, Java, git, GNU/Linux, bash, Data Structures & Algorithms

Web Development: LAMP, Flask, PHP, MySQL, HTML, CSS, Javascript, jQuery, Twitter Bootstrap

Familiarity with: Linux kernel, UML, MATLAB, cgroups, SQL, Arduino, MS Office

Ability and willingness to learn and apply new programming languages and technologies quickly

Nontechnical Skills: Verbal/Communicational/Presentational skills, Self-starter, Able to work independently, Leadership experience, Experience with working with teams, Frontend web design & usability

Education:

Columbia University— Computer Engineering, Junior – Anticipated Graduation May 2016

Overall GPA – 3.5

Relevant Coursework:

Computer Science: Object Oriented Programming and Design, Data Structures & Algorithms, CS Theory, Fundamentals of Computer Systems, Advanced Programming

Electrical Engineering: Introduction to Electrical Engineering, Signals & Systems

Anticipated Junior Year Coursework: Circuit Analysis, Operating Systems, Computer Networks

Science and Engineering Learning Center – Manalapan High School – Graduated June 2012

AP courses (AP Scholar with Distinction), Computer Science (C++, Java, Data Structures), Senior Design projects

Experience:

Red Hat Internship (May 2014 – August 2014)

Title: RHEL Kernel Engineering Intern

Kernel engineering internship involving testing for checkpoint/restore feature for viability in RHEL

Red Hat Internship (May 2013 – August 2013)

Title: RHEL Software Engineering Intern

Python, PHP, jQuery, Bootstrap, SQLite

Prototyped a GUI for a cgroups management tool (PyGTK); Developed a web interface for a kernel tuning tool

Lights in the Sky (May 2013 – Present)

PHP, jQuery, HTML, CSS, OpenShift

Webcomic collaboration as side project; performed website design & backend/CMS development

Senior Design Projects (January 2012 – June 2012)

Python

Computer Interfacing: Worked in a team of 3 to create a wireless inertial controller for 3-Dimensional positional input to a computer

Contributions: wireless protocol for communicating positional data, software for visualization of positional control

Senior Design Projects (September 2011 – January 2012)

Python

Robotics: Worked in a team of 3 to create a mobile, remotely controlled robot

Contributions: interface software for remote control of robot from a laptop over WLAN

Was presented to IEEE Jersey Coast section and received Science & Engineering Student Achievement Award

Interests:

Web standards (HTML5/CSS3), design, and development; Open Source Software