Jay Tappen

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A cheerful student looking to grow as a software development intern.

Education

Cornell University, College of Engineering — Ithaca, New York
Pursuing a BS in Computer Science — *Class of 2018*
- o 3.96 / 4.0 GPA, Dean's List

Previous Employment

NWN Corporation — Waltham, Massachusetts
Associate Solutions Engineer — *Summers of 2013, 2014, and 2015*
- o Worked full time practicing and being trained in Python and Linux.
- o Wrote an asynchronous SOAP client in Python and integrated it with existing network monitoring software. (Python, SOAP, YAML, JSON, Linux (CentOS))

Programming Experience at Cornell University

Course Projects — *Fall 2014 – Present*
Learning through my own work and in collaboration with other students.
- o Built an asynchronous two-thirds consensus protocol designed for distributed system reliability. (OCaml)
- o Wrote a multi-threaded SMTP mail server. (Python, SMTP)
- o Designed and tested a MIPS processor. (C, MIPS assembly, Verilog, Logisim)

Independent Study — *Spring 2016*
Created and published a database-driven website to function as an online homework agenda for high school students.
- o Worked with Linux (CentOS), PHP, JavaScript (JQuery), MySQL (MariaDB), HTML, CSS

Skills Summary

Languages
Python, Java, OCaml, C, C#, PHP, JavaScript, HTML, CSS, AMPL, LaTeX
Applications
Sublime Text, PuTTY, Oracle VM VirtualBox, Eclipse, Unity Game Engine
Operating Systems
Windows, Linux (CentOS, Ubuntu), OS X
Protocols and Others
SMTP, TCP, UDP, HTTP, YAML, JSON, XML, SOAP

United States citizen. Experience acquiring a security clearance.