

ALEX HAYNES

COMPUTER SCIENCE / UNIVERSITY OF PENNSYLVANIA

EXPERIENCE

Summer 2018

Two Sigma
Incoming Software Engineering Intern

Fall 2017

CIS 331 Networks & Security
Teaching Assistant

Summer 2017

Slack
Front-End Engineering Intern

Contributed to keyboard navigation feature in web and desktop client. Created keyboard shortcuts side pane using React. Created system to detect keyboard navigation users and introduce them to other keyboard shortcuts.

Spring 2017

CIS 240 Computer Systems
Teaching Assistant

Revamped simulator of simple CPU architecture, held office hours, created rubrics, and graded assignments.

Summer 2016

VinSolutions
Software Engineering Intern

Developed DevOps web portal using ASP.NET MVC and Entity Framework. The portal has been used company-wide to track application deployments, submit deployment requests and track automation progress. I developed the database, RESTful API and front-end web application.

8/2015 – 5/2017

College House Computing, UPenn
IT Advisor (ITA)

Solve network & security issues for 500+ student clients; troubleshoot & analyze wireless issues on a campus-wide network.

ACTIVITIES

CIS 555 Final Project

Created a distributed & multithreaded web crawler.
Crawled over 1.8 million pages.

NES Super Mario Bros. Neural Network Project

Python project using Nintaco to solve basic NES games using machine learning.

UPenn ESports Association
Board Member

Dining Philosophers (Computer Science Club), UPenn
Member

National Honor Society
Member (2013-2015)

EDUCATION

8/2015 -Present

Computer Science (GPA: 3.68)
University of Pennsylvania, Philadelphia, PA

8/2011 – 5/2015

Kansas Scholars Curriculum (GPA: 4.11; Class Rank: 1)
Perry-Lecompton High School, Perry, KS

SKILLS

TECHNICAL

Experienced: Java, Javascript, C, C#, Git, JQuery, CSS/LESS/SASS, Illustrator, Sketch, Photoshop

Proficient: Python, Haskell, OCaml, Node, React, SQL, LaTeX, Slack Developer APIs

SELECTED COURSE WORK

Distributed Systems, Scalable & Cloud Computing, Big Data Analytics, System Architecture, Operating Systems, Networks & Security, Algorithm & Data Structure Design

AWARDS

2018 **IEE Eta Kappa Nu Member**
University of Pennsylvania

2018 **Dean's List**
University of Pennsylvania

2017 **Dean's List**
University of Pennsylvania

2015 **Governor's Scholar Award**
State of Kansas, Office of the Governor

2015 **Kansas Honors Program**
University of Kansas

2015 **Kansas ACT Scholar**
State of Kansas, Board of Regents

CONTACT

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