

Kevin Xu

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EDUCATION

University of Pennsylvania

BSE: Computer Science

Minor: Healthcare Management

GPA: 3.9

May 2022 | Philadelphia, PA

COURSEWORK

Undergraduate

121 Data Structures &

Algorithms

320 Algorithms II

212 Scalable Systems

550 Databases

350 Software Design

Awards

Cisco “You Amaze” Intern
Award

University Merit Scholarship
Dean’s List

PROGRAMMING LANGUAGES

JavaScript, Python, Java
Node.js, MongoDB, GraphQL,
Mathematica, R

OTHER

Director | PFYD

| June 2018 – Curr.

- Teach speech and debate to under-privileged high school students
- Director of East Coast’s second largest debate tournament.

Project Lead | Signal

June 2018 – Curr.

- Head of 15 person data projects division for student newspaper and club
- Use tableau, numpy, R, javascript to generate data articles: ex. Sleep at Penn

Student Fellow | Signal

June 2018 – Curr.

- Student ambassador and global policy researcher for UPenn

EXPERIENCE

Bloomberg LP – Incoming Software Engineer Intern

New York, NY | June 2020 – Current

- Incoming software engineering on Trading and Financial Analytics Team

Cisco Systems – Software Engineer Intern

San Jose, CA | May 2019 – August 2019

- Built out main UI view for Cisco’s billion dollar SDA network product
- Page displays real time enterprise switch information and allows users to configure networks
- Built out new frontend, backend, and data pipeline logic using GraphQL, RabbitMQ, Java, Backbone, and React
- Developed internal debugging tool using python scripting that saves SDA team 3 hours/week
- Automated internal device configuration setup through React and Backbone, saving SDA team ~ 2 hrs/week

Zingbox – Software Engineer Intern

Mountain View, CA | May 2018 – August 2018

- Built automated testing pipeline that traces and stores actions of live malware
- Sped up security research division's information gathering process by over 200%
- Built automated filtering pipeline using python that customizes and sorts hundreds of millions of data points from live IOT devices

The Wharton School – Quantitative Marketing Researcher

Philadelphia, PA | August 2018 – Current

- Used LDA modeling, Panda, and Numpy to conduct sentiment analysis on large data sets
- Analyzed millions of twitter reactions to Pepsi advertisements and worked with the Wharton School to provide data-driven marketing insights

Penn Engineering – Teaching Assistant

Philadelphia, PA | August 2019 – Current

- Teaching assistant for probability and incoming teaching assistant for databases
- Hosted office hours, small-group recitations, and managed final projects

PROJECTS

Pennbook – Social Media Network

Philadelphia, PA | March 2018 – May 2018

- Created a mock facebook app with smart friend requests, dynamic live newwsfeeds, and live chats.
- Hosted on ec2 and built with Mongo, Express, React, Node.js
- Java MapReduce used for smart friend requests
- Socket.io for real-time notifications

NoSkip – Productivity Tool

Philadelphia, PA | September 2019 – Current

- Built out website that incentivizes students to attend class
- Allow students to earn credits for attending classes and redeem credits with rewards
- Twilio for attendance verification engine
- Stripe for credit payment reward systems
- Hosted on heroku and built with MongoDB, Express, React, Node.js