

Peter E. Xu

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Education

University of California, Berkeley

B.A. Computer Science, Class of 2018

GPA: 3.56

Relevant Coursework: Computing with Data, Networking, Computer Security, Operating Systems, Databases, Artificial Intelligence, Foundations of Data Science, Devices and Systems, Computer Architecture, Efficient Algorithms & Intractable Problems, Discrete Math & Probability Theory, Linear Algebra & DiffEq, Multivariable Calculus

Skills

Proficient in Java, Go, Python, C#, Git, Unix, Windows

Experience with C++, C, R, AngularJS, HTML, CSS

Industry Work Experience

Microsoft Inc., Redmond, WA

Software Engineer, Azure DevOps Identity

July 2018 - Present

- Working on identity and authentication services for the Azure DevOps (formerly Visual Studios Team Services) cloud platform.
- Developed a new access token for sign-in.
- Worked on integrating GitHub with Azure DevOps.

Amazon.com, Seattle, WA

Software Development Engineer Intern, Marketplace

May 2017 - August 2017

- Designed and implemented an analytics console from the ground up for a new workflow orchestration engine.
- Leveraged AWS Kinesis Firehose, Elasticsearch, Spring, Java, and AngularJS to build an end-to-end monitoring platform to track workflow health and simplify fault isolation.

Workday, Pleasanton, CA

Associate Software Engineer Intern, Business Intelligence

May 2016 - August 2016

- Developed a debugging tool for Workday's Composite Reporting platform for financial reporting.
- Designed and implemented a graph minimizing algorithm to locate the source of error.

Academic Work Experience

UC Berkeley Computer Science Department, Berkeley, CA

CS 61A, Structure and Interpretation of Programs

Undergraduate Student Instructor

January 2016 - May 2018

- Lead weekly discussion and lab sections.
- Held weekly office hours to assist students.

Projects

PrestigeCoin - Go, Google App Engine, Cloud Firestore

- A web app to track personal achievements.
- Users input their achievement and a corresponding number of PrestigeCoins the achievement is worth.
- Data is stored in a blockchain-based datastore.
- *Note: Work in progress. Not an actual cryptocurrency.*

HotBox-X - Java, Node.js, AngularJS, MongoDB

- *Flappy Bird*-like game developed for the Model Predictive Control Lab at Berkeley. Game modes and parameters such as obstacle distribution, gravity, and reward value are configurable by the researcher.
- Data such as player, obstacle, and reward positions are recorded for research purposes.

Yannotator - Node.js, AngularJS, MongoDB

- YouTube video annotator web application that supports keyboard and speech-to-text annotating.