Nancy (Ye) Zhang

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Education

Carnegie Mellon University Pittsburgh, PA

May 2020

BS in Computer Science, Minor in History, QPA: 3.84/4.00

Selected Coursework

Operating System Design and Implementation, Algorithm Design and Analysis, Probability and Computing, Artificial Intelligence

Work Experience

Duolingo Pittsburgh, PA

Summer 2019

Software Engineer Intern

- Created new microservice API route and designed an algorithm that filters millions of ads per day
- Integrated new interstitial ad format which earns 2.5x the previous ad revenue
- Implemented numerous visual improvements to the purchase flow
- Utilized Swift and Objective-C for iOS client changes and Java for backend changes

Spiceworks Austin, TX

Summer 2018

Software Developer Intern

- Designed and implemented new features and patched critical bugs in the Spiceworks Help Desk
- Wrote unit tests to help achieve > 87% line coverage
- Utilized Ember. is for frontend and Ruby on Rails for backend web development

Functional Programming Teaching Assistant Pittsburgh, PA

January - May 2019

- Taught a lab of 20+ students for the functional programming class at CMU that had 300+ students
- Assisted students with homework and conceptual topics help during office hours every week
- Created new homeworks and midterm review sheets

Projects

Google CodeU

github.com/berrybus/CodeU-Spring-2018

- Collaborated with a team of peers to design and build a web application using Java, JavaScript, HTML/CSS, Java servlets, AppEngine, and the Google Cloud Platform and APIs
- Implemented industry best practices such as contributing to open source software with Git, conducting code reviews, extending existing codebases, and designing new components

Hydrobowl

berrybus.github.io/hydrobowl

- Created a Quiz Bowl studying app that accepts custom questions and reads them back
- Utilized HTML, Bootstrap, vanilla JavaScript for frontend and Firebase for backend

Languages and Technologies

Languages Python, C, Swift, SML, Languages Python, C, Swift, SML,