

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, Introduction to Computer Systems, Algorithm Design and Analysis, Great Theoretical Ideas in Computer Science

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

Work Experience

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.js for frontend and Ruby on Rails for backend development

Summer Undergraduate Research Fellowship *Pittsburgh, PA*

Summer 2017

Researcher

- Discovered novel roles of mouse visual cortex in visual acuity with Dr. Kuhlman and Alex Swain
- Conducted behavioral experiments and managed colonies of mice
- Analyzed data with MATLAB and presented the figures

15-150 Teaching Assistant *Pittsburgh, PA*

January - May 2019

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

Languages and Technologies

Languages Python, C, SML, L^AT_EX, HTML/CSS, Ruby, JavaScript, Java, GML

Applications UNIX, Git, Vim, Photoshop, MATLAB, GameMaker, Unity, Flash

Miscellaneous Conversational French and Mandarin, pixel art, 2D digital art