

# Nancy (Ye) Zhang

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## Education

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**Carnegie Mellon University** *Pittsburgh, PA*

May 2020

BS in Computer Science, Minor in History, QPA: 3.87/4.00

### Selected Coursework

Introduction to Computer Systems, Parallel and Sequential Algorithms, Principles of Functional Programming, Great Theoretical Ideas in Computer Science

## Projects

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### Google CodeU

[chat-app-team-28.appspot.com/](https://chat-app-team-28.appspot.com/)

- Created online chat program with frontend in HTML/CSS and backend in Java and Google Cloud
- Supports user accounts, profiles, text styling, images, and multiple conversations
- Collaborated in a team of 4 other students including a Google engineer

### Hydrobowl

[berrybus.github.io/hydrobowl](https://berrybus.github.io/hydrobowl)

- Created an online Quiz Bowl studying tool that allows you to input questions and have them read back
- Utilized HTML, vanilla JavaScript, and Firebase

## Work Experience

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**Summer Undergraduate Research Fellowship** *Pittsburgh, PA*

Summer 2017

Researcher

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

**Laureate Institute for Brain Research** *Pittsburgh, PA*

Summer 2016

Researcher

- Processed data for the Tulsa 1000 project in iMotions and MATLAB
- Designed a research survey for optimism bias

**Tulsa Undergraduate Research Challenge** *Tulsa, OK*

Summer 2015

Researcher

- Processed and cataloged artifacts from Christiansted stump removal, then synthesized the data into a public outreach and information site
- Available at [stcroixdan.es.weebly.com](https://stcroixdan.es.weebly.com)

## Languages and Technologies

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**Languages** Python, C, SML, L<sup>A</sup>T<sub>E</sub>X, Java, ActionScript 2.0/3.0, CSS3/HTML, GML

**Applications** UNIX, GDB, Photoshop, Git, Vim, MATLAB, Unity, Flash, GameMaker, Windows

**Miscellaneous** Conversational French and Mandarin, pixel art