**Experience**

**Information Technology at Purdue University | West Lafayette, IN Fall 2015 – Present**

*LON-CAPA Programmer*

* Develop for LON-CAPA course management system at Purdue University
* Work with mathematics department to implement dynamic math problems using Perl

**BoilerCamp | West Lafayette, IN Fall 2015**

*Mentor*

* Volunteered at day-long workshop teaching students how to make a personal web app

**Air Force Research Laboratory Discovery Lab | Dayton, OH Summer 2015**

*Software Engineering Intern*

* Collaborated with a team on ProjectAVATAR, an interactive virtual map software that allows simple visualization of media in a virtual environment

**Material Wrld | New York City, NY Summer 2013**

*Developer Intern*

* Performed market research and worked on basic web development for fashion startup
* Learned about entrepreneurship and startup culture

**Skills**

**Programming**

*Proficient:*

* Java, JavaScript, Python, Swift

*Familiar:*

* C, C++, Objective-C, PHP, Perl

**Other**

* Git, GitHub, HTML/CSS, Nginx, Regex, Vim, Zsh

**Projects**

**Cubed Fall 2015 *(in progress)***

*Web Application*

* A site that teaches people how to solve a Rubik’s cube from a scrambled state
* Currently working on cube color detection from photos

**Bropay | OHI/O Fall 2015 *(in progress)***

*Apple Watch/iOS Application*

* A payment app for Apple Watch users to perform transactions by fist-bumping
* Currently implementing machine learning algorithm for fist-bump detection

**Happy Libs Fall 2015**

*Web Application*

* A mad-libs template word game generator
* Replaces some words in story with similar, unrelated words for comedic effect

**Gradients | VandyHacks Fall 2015**

*JavaScript Game*

* A simple, intuitive color puzzle game based on Blendoku

CS Purdue University | May 2019

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**Dan** Zheng

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