Jennifer Zhao

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SKILLS

- **Software Languages**: Python, Java, C, PHP/Hack, HTML, Javascript
- **Technical Skills:** Android, MySql, R, Matlab, scikit-learn

EDUCATION

Princeton University, Bachelor of Science and Engineering — 2019

- **Major**: Computer Science, **Certificate**: Statistics and Machine Learning
- **GPA**: 3.6, **Departmental GPA:** 4.0

SOFTWARE EXPERIENCE

Software Intern, Facebook — June 2017 - August 2017

- Created an API in Hack/PHP to upload, query, and download generated files during internal code execution to permanent storage
- Implemented a web interface for the API with using JavaScript/React
- Designed and implemented a MySql database for metadata to enable extensive querying
- Worked directly with Oculus to upload test builds and to integrate with their system
- Used to upload over 200 million log files per week, touching all internal code development

FBU Intern, Facebook— June 2016 - August 2016

- Worked on an independent android app that generates playlists based on nearby concerts
- Specifically focused on implementing the music player with skip and pause functions; worked in a separate Service class, and synchronizing threads
- Used Spotify and TicketMaster APIs, Android MediaPlayer class, JSON and Sqlite database

ChatterWorks (YHack Fall 2016 Winner - 1 & 1 API Prize)

- Created a chatbot in Facebook messenger that manages 1 & 1's client's databases in group situations using Python and 1 & 1's API

RESEARCH EXPERIENCE

Deep Learning Independent Work — September 2017 - now

- Worked with Professor Finklestien to research and explore applications of deep learning towards sentiment analysis
- Explored sentiment as a feature for video suggestion in supervised learning

Feature Extraction in Predicting Child GPA in Fragile Families — March 2017 - now

- *Fragile Family Project: An collaborative research project that aims to generate indicators of success for disadvantaged families*
- Collaborated with two graduate students to pipeline machine learning techniques in GPA prediction
- Optimized methods for imputation, feature selection, and regression model
- Used a novel regression model to tests each year's impact on the child's development
- Submitted for peer review and consideration in the *Socius* journal

PROFESSIONAL EXPERIENCE

Math Tutor, Petey Green Program — September 2017 - now

- Volunteered with local prisons to provide individualized tutoring to incarcerated youth

Student Technology Consultant, Digital Learning Lab— September 2016 - now

- *Multimedia computer lab with Mac Pros and specialized digital equipment*
- Staffed the lab during open hours, and provided assistance in media skills such as Photoshop, and video editing

14th, Canadian Association of Physicists High School Exam

- Canada-wide physics contest for International Physics Olympiad consideration