Jane Li

msjaneli.github.io | linkedin.com/in/ms-jane-li | jane.li1@duke.edu | (484) 639-4772 | Durham, NC 27708

EDUCATION

Duke University — Durham, NC

BACHELOR OF SCIENCE IN COMPUTER SCIENCE — Anticipated December 2020

- HONORS: Dean's List with Distinction (F '17, S '18, F '18, S '19)
- GPA: 4.0/4.0
- RELEVANT COURSEWORK: Data Structures & Algorithms, Computer Architecture, Database Systems, Web Design & Development, Data Visualization. Discrete Math for Computer Science, Probability

PROFESSIONAL EXPERIENCE

Mastercard — O'Fallon, MO

TECHNICAL PROGRAM MANAGEMENT INTERN — June - August 2019

- Employed **Agile methodology** to independently manage execution and delivery of two projects spanning multiple departments
- Coordinated dependencies and delivery timelines across 13 project teams
- Documented and tracked progress in **Rally** software
- Gathered project team data (ex: predictability, velocity, scope churn, cycle and lead time) through creation of custom queries for **Rally Web Services API** and **Rally Lookback API**
- Provided weekly analysis of project team data to pinpoint areas of growth, enabling several improvements including **boosting predictability rates by an average of 80% per team**

Duke University Office of Information Technology — Durham, NC

APPLICATION DEVELOPMENT INTERN — May 2018 - Present

- Develop an iOS parking app using **XCode** and **Swift** to address the problem of inaccessible parking lot data affecting community of over 37,000
- Configure **Ruby on Rails** framework and build **RESTful API** to support app backend including data requests, in-app purchases, and push notifications
- Design, develop, and maintain website supporting real time visualization of parking lot data through **React** framework to allow administration to manage availability of parking lot purchases

PROJECTS

Sentiment Audio Visualizer | JavaScript, HTML, CSS — Spring 2019

- Web application providing a song and appropriate visualization based on sentiment analysis of user-given description of their mood

Parkinson's Keyboard Prediction Tool | Python, PostgreSQL — Spring 2019

- Analysis of predictive models (linear regression, logistic regression, Support Vector Machine, and Naive Bayes) on keyboard data and development of model predicting Parkinson's in users with 75% accuracy

Entropy | JavaScript, HTML, CSS, Adobe Photoshop — Fall 2018

- Chrome extension gamifying the consideration of personal environmental impacts to encourage sustainable decision-making for everyday choices

SKILLS & INTERESTS

Languages: Proficient - Java, Python, HTML, CSS; Intermediate - JavaScript, Swift, Ruby, C

Technologies: Git, React, PostgreSQL, Rally, Xcode, Ruby on Rails, AdobeXD, Photoshop, Illustrator