Ryan A. Ching

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EDUCATION

Brown University Providence, RI August 2017 – Present

Master of Science in computer science

GPA: 4.0

Expected graduation date: May 2019

University of Pittsburgh Pittsburgh, PA August 2013 – May 2017

Bachelor of Science in computer science, *summa cum laude*

Minor: Economics

Achieved honors degree through additional coursework and academic excellence

TECHNICAL SKILLS

Programming Languages

- Proficient in: Java, C, Python, JavaScript, HTML/CSS, SQL
- Familiar with: C++, Matlab, Swift

Tools and Frameworks

- AWS, Firebase, Node, Git/Github, Hadoop, React, JQuery, AngularJS, BootstrapJS, D3.js, ReactNative, Xcode, Android Studio, Bootstrap

WORK EXPERIENCE

Yellow Brick App, *Software Developer* Pittsburgh, PA July 2016 – August 2017

- Worked with a team of three software developers to build the Yellow Brick mobile application for iOS and Android, personally utilizing tools such as ReactNative, AWS, Java, Swift 3, and Xcode
- Developed an interactive web application to work alongside our mobile app using tools such as jQuery, MapBox, AWS, and D3 JavaScript library for data visualization
- Visited local businesses in the Greater Pittsburgh Area, recruiting dozens of restaurants and bars to utilize our services and advertise their businesses via Yellow Brick App

PNC Financial Services, *Software Developer Intern* Pittsburgh, PA June – August 2016

- Reverse Engineered and documented an enterprise web application using AngularJS, D3, BootstrapJS, Java Spring framework, Maven, and RESTful web services
- Utilized AngularJS and D3 to build additional tools and functionalities for the web application
- Worked on a machine learning algorithm to predict the probability of a loan default utilizing tools such as Python and TensorFlow

TECHNICAL PROJECTS

Places - An iOS mobile app that allows users to create interactive travel blogs, viewable on the Google Maps api

- Gained experience with Swift 3 and Xcode to build an iOS mobile application that allows users to upload photos and textual blogs of their travel experiences
- Utilized Google Maps api to place markers on travel locations, and Firebase to store photos and metadata

Emotion Classify - Accesses the user's webcam to classify which emotion the user is expressing

- Utilizes computer vision/machine learning algorithms to extract the user's facial features from the webcam image feed, and classify the features as one of eight emotions

RELATED COURSE WORK

- Software Engineering
- Machine Learning
- Database Management
- Software Quality Assurance
- Design and Analysis of Algorithms
- Cloud Computing
- Computer Vision
- Operating Systems