Bryce Pedroza

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Education

Arizona State University *Aug. 2015 – May 2019 Expected*
Computer Science, BS – GPA 3.94/4.0 *Expected May 2019*

- NSF funded Academic Success and Professional Development Scholarship, Dean's List, President's Scholarship
- Groups: Software Developer's Association member, METS program volunteer

Computer Science, MS *Expected May 2020*

Experience

Starbucks – Information Security Intern (*Tempe, AZ)* *Aug. 2018 – Present*

- Leverage AirWatch by VMWare to automate mobile device management for iOS devices in all Starbucks US locations.
- Maintain vulnerability management for Global Cybersecurity Services at Starbucks.
- Created reporting scripts for team and upper management to track assets and vulnerability change.
- Integrate continuous integration and continuous deployment by integrating Jenkins into team's development process.
- **Tools**: Python, Flask, Jenkins, Groovy, Azure, Git

Walmart Labs – Software Engineering Intern *(Bentonville, AR)* *May 2018 – August 2018*

- Developed internal application for Walmart's Payment Acceptance Team.
- Utilized REST APIs to empower quality engineers and business partners to make development changes and production commits respectively to the attributes associated to issuer/bank identification numbers that Walmart supports.
- Refactored to-be deprecated point of sale troubleshooting tools.
- **Tools**: React, Node.js, git, JavaScript

Arizona State University – Undergraduate Teaching Assistant *Jan. 2017 – Present*

- Taught Object-Oriented Programming and Data Structures.
- Assisted Professor in conveying Java programming concepts to students.
- Held office hours, hosted review sessions, and served as a bridge between students and Professor.

Projects and Research

Nationwide Insurance – Predicting Forest Fires with Machine Learning *Aug. 2018 – Present*

- Utilized fire perimeter data, Nationwide fire insurance claim data, and weather APIs to form a unified dataset.
- Developed unary classifier to determine if an area is susceptible to forest fires.
- Built Flask API to connect to the unary classifier and Node JS with React to develop a UI on top of the Flask API.
- **Tools**: Python, Flask Node JS, React, git

Arizona State University – Academic Success and Professional Development Research Hub *January 2019*

- Built a Node JS application with React front-end for fellow students and researchers to find project and research topics.
- Front-end is provided data from NoSQL Mongo DB.
- Application will be a part of the Nation Science Foundation's review of ASU's Academic Success and Professional Development program. (Current funding is three years, $5 million)
- **Tools**: MongoDB, Node JS, React, JavaScript, git

Arizona State University – Fulton Undergraduate Research Initiative (FURI) *Jan. 2018 – May 2018*

- Conducted stock market analysis research to reveal buy and sell patterns.
- Developed Python scripts and algorithms to scrape The New York Times to gather company news sentiment and historical stock information (quandl API).
- Observed and reported how sentiment of news impacted stock price and volume change.

Programming Languages and Tools

Proficient with: C++, git, Java, Python, React
Familiar with: C, JavaScript, Swift

Interests

Spikeball, Domestic Policy, Stock Market Analysis and Trading, Cooking