Bowen Wang

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Education

Carnegie Mellon University

BSBA | Minor: Computer Science

Graduated May 2019

Presidential Scholar

Coursework

Computer Systems

Data Mining and Management

Functional Programming

Data Structures and Algorithms

Probability and Statistics

Discrete Mathematics

Distributed Systems

Artificial Intelligence

Skills

Languages

Java | Python | SQL | React

C | Standard ML | Bash

Tools

IntelliJ | Git | Kubernetes

MS Office | Pure/Alloy

Dropwizard

Involvement

CMU Poker Club

President & Founder 2016-2019

https://www.cmupoker.com/

Work Experience

Software Engineer • Goldman Sachs

June 2018 – Present

Balance Sheet Engineering Team

- Eliminated quarter-end escalations by automating business date logic
- Developed load balancing techniques for millions of calculations on limited cache memory
- Improved SLAs for hundreds of revenue generating desks by rerouting availability data and publishing results to Kibana
- On-boarded 8 additional products within financial reporting tool by creating domain models and mappings
- Enabled Controllers to directly edit daily snapshots by building UI using React/Redux featuring permissions, filters, and API endpoints

Controllers DevOps Team

- Reduced project build times by 25% by migrating the build farm to an environment supported by Kubernetes
- Modernized regression testing pipeline by creating REST APIs to replace end-of-life SOAP

Intern • AT&T

Summer 2016 & Summer 2017

- Launched roadmap creation program for 50+ retiring products
- Introduced Microsoft Power BI software for developing automated data analysis procedures
- Wrote specification requirement documents for internal applications

Projects

Retail Stock Sentiment Analyzer

- Scrapes posting data from investing forums to identify market sentiment
- Generates and publishes statistical trends using Matplotlib
- Guides investment decisions for Blue Dress Capital, a hobbyist fund with over 30 investors and $150k AUM

Reladomo Open Source Contribution

- Reladomo is an enterprise grade object-relational mapping framework developed by and used at GS: *github.com/goldmansachs/reladomo/*
- Improved robustness of DB tests by adding objects deserialization
- Increased use cases by creating 'not equal' operation extractor
- Updated code styling for consistency across the project