KEVIN WANG

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Education

Brandeis University (Waltham, MA)   Expected May 2018
    BS, Computer Science and Business Administration   GPA: 3.3, Deans List
Related Coursework(*Fall 2017): Advanced Programming, Matlab Image Processing, Discrete Math/Intro Proofs, Probability&Statistics, **Data Structures and Algorithms, Database Management Systems, *Operating Systems, *Software Engineering, *Capstone Project, *Android Application Development, *iOS Swift Development (Udemy).**

Technical Skills

Programming: Java, SQL, Ruby/Rails, Matlab, Python, C, HTML/CSS/JavaScript, VBA, LaTeX, Linux

Work Experience

Brown Brothers Harriman Quality Assurance Intern | Boston, MA   June 2017 - Aug 2017
- Collaborated with managers and developers to translate business requirements into test cases and scripts.
- Developed SQL queries and test scripts to validate database information on essential tools and applications.
- Improved time to deploy new software by performing regression tests and running test scripts on applications.

Pearson Ham Consulting Data Analyst Intern | London, U.K   June 2016 - Aug 2016
- Developed VBA Scripts with Google Maps API to translate geospatial data into city names for data analysis.
- Synthesized and created new datasets for data analytics and business intelligence reports.
- Created and designed an automated dashboard using SQL/VBA to monitor pricing models.

NY State Assembly Legislative Intern | Tarrytown, NY   June 2017 - Aug 2017
- Conducted research on various topics to assist the Assemblyman in developing local policies and legislation.
- Communicated with government officials about proposed legislation and interacted with constituents about their concerns.

Related Projects

WExchange(Ruby on Rails)   Sept 2017 - Present
- Developing database backed Ruby on Rails web application that connects content creators to buy/request and sell artwork with an integrated calendar and payment system.
- Developing rails backend by creating data models for database schema design and integrating payment system with Stripe API.

Unix Emulator(Java, Unix)   Sept 2017 - Present
- Developing a Unix-like shell with multi-threaded programming techniques, to achieve concurrent and asynchronous commands and pipeline-like input/output redirections.
- Designing a simulation of UNIX File System that provided a standard seek/read/write interface.

Twitter Makrov Chain Bot(Python)   Sept 2017 - Sept 2017
- Developed Twitter Bot with Reddit and Twitter APIs in python to generate tweets based on Reddit posts using Markov Chains.

Database Interface and B+ Tree(Java, PostgreSQL, JDBC   March 2017 - June 2017
- Implemented B+ Tree in Java for database indexing, insertion, deletion, search, redistribution, combination.
- Implemented a PostgreSQL database interface using JDBC to support data visualization with Gnuplot, Graphviz and LaTex APIs. Designed integrity constraints and triggers to maintain the database.

Signal Processing Analytics(Matlab)   Feb 2016 - May 2016
- Implemented auditory algorithms to extract tempo, beat, and key of songs using the signal processing toolbox in MATALB by conducting frequency envelope extraction, peak picking, and audio filtering.
- Conducted customer analytics of listening patterns using the statistical analysis toolbox of various songs.

Leadership Experience

Computer Science Club - Member   Aug 2014 - Present
- Help organize and attend various events relating to hackathons, data analytics, and software/web development.

Southeast Asia Club - Treasurer   Apil 2016 - Present
- Update club financial data with university database to track accurate club revenue and expense accounts.
- Manage an annual $15,000+ annual budget, fundraising efforts, and financial negotiations with the club.

Jaded Literary Magazine - Treasurer, President   Aug 2015 - Present
- Organize a $6,000+ annual budget to magazine publication and events held every semester.
- Manage the rollout of magazine publications, finalizing content, an designing layout every semester.