Daniel Quinn

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EDUCATION

University of Notre Dame — Notre Dame, IN
Bachelor of Science in Computer Science — May 2020
Minor in Engineering Corporate Practice
GPA: 3.631

PROJECTS

MLB Silver Slugger Prediction Model — Notre Dame, IN
Data Science — Fall 2019
- Created several regression models using various techniques (Linear, SVR, Huber, Ridge) to predict the statlines for MLB players each year from 2017-2020 using data from 2014-2019
- Determined which players would win Silver Slugger awards through both KNN and Naïve Bayes classification models by feeding in our predicted stats for each year
- Verified the accuracy of our results by comparing our predicted results to actual results each year

World Creator Game — Notre Dame, IN
Computer Graphics — Fall 2018
- Developed a game using three.js library where user is given a blank sphere to use as a "canvas" to design and animate their own planet
- Utilized three.js to graphically generate the scene and ran on a web page using HTML linked to the JavaScript code

Web Crawler/Search Engine — Notre Dame, IN
Data Structures — Spring 2018
- Programmed in Python a web crawler that takes in user-provided start URL and crawls through links recursively, generating a list of top linked-to pages
- Added search engine that looks for matches of entered words on each page and returns top results

EXPERIENCE

Fannie Mae — Reston, VA
Software Engineer – Enterprise SWIFT Platform — July 2020 - present
- Maintain integrity of SWIFT platform on premises and act as primary support for internal customers' issues
- Secure financial messaging infrastructure by utilizing SWIFT-mandated encryption, firewall, and multi-factor authentication methods, which are attested for every year according to the SWIFT CSP guidelines
- Automate monitoring of the platform through shell scripting and Java backend code
- Migrate the SWIFT platform from on premises to an AWS cloud solution (getting certifications) in 2021

MetLife, MTU Program — Greenville, SC
Application and Software Development Intern — Summer 2019
- Parsed and inserted big data pertaining to MetLife reinsurance from text files into HIVE tables in company database using Python scripts
- Visualized reinsurance data using Power BI, highlighting patterns and trends in a comprehensive report
- Developed and presented on, with other interns, a carpooling app design to promote sustainability and attract more auto insurance and group benefits customers through advertising and earned discounts

Mercury Insurance — Brea, CA
Information Technology Intern — Summer 2018
- Automated actions on a web page using Selenium libraries in Java to test performance and correctness
- Transferred raw JSON data from file to various types of HTML elements on a web page using a web driver through Java

ACTIVITIES

Adopt-A-Family Christmas Initiative — Notre Dame, IN
Volunteer/Member — 2017 - 2020
- Provided Thanksgiving dinner and Christmas gifts for families and delivered them to their houses with a team of other club members

Notre Dame 2017 and 2018 Welcome Weekend Committee — Notre Dame, IN
Ambassador — August 2017, 2018
- Guided new students around campus on informational tours and various welcome events
- Served as a resource for younger students to ask questions regarding student life and classes

SKILLS

Programming: C++, Python, Java, C, JavaScript, HTML, CSS, SQL, Shell Scripting
Knowledge: Microsoft Office, Unix, SWIFT, Power BI, Selenium, Hadoop, Big Data