

Daniel Dang

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EDUCATION

Florida State University (GPA: 3.81)

December 2024

Bachelor of Science in Computer Science, Minor in Mathematics and Physical Science

Tallahassee, FL

Related Coursework: Data Structures, Algorithms, and Generic Programming, Full-Stack Application Development in C#, Applied Statistics for Engineers and Scientists, Data Mining, Introduction to Artificial Intelligence

TECHNICAL SKILLS

Languages & Frameworks: C++, C#, HTML5, CSS3, JavaScript, jQuery, .NET, Selenium, SQLite

Technologies: Unix, Git, Google Cloud, CMake, PuTTY, UWP, Swagger

PROJECTS

PrizeStats | C#, .NET, Selenium, SQLite

July 2023 – Aug. 2023

- Integrated **Selenium** with a headless Chrome WebDriver to call the API endpoint from a betting source, retrieving and processing **over 50,000** unsorted projections daily for professional players.
- Utilized Google's Programmable Search Engine to search for the player's ID on esports player tracking websites.
- Implemented web scraping techniques to extract and store every player's match history data from a website into a **SQLite database** for further analysis, while implementing data pruning to keep the database relevant and efficient.
- Achieved a **71% hit rate** in forecasting successful outcomes by leveraging advanced statistical algorithms for comprehensive data analysis and discerning high-probability player projections within 1 month.

Canvas UWP Remake | C#, .NET, UWP

Jan. 2023 – May 2023

- Designed and implemented **role-based access control**, such as student, instructor, teaching assistant, and administrator, to ensure secure access and appropriate functionalities for each user type.
- Developed **advanced search filters** and sorting options, making it convenient to locate specific records within the database, such as user profiles, courses, assignments, and grades.
- Employed **asynchronous data loading** and caching techniques to enhance performance, enabling users to access course content and information without excessive waiting times.

NotiLinker Discord Bot | Discord.js, Google Cloud

Aug. 2019 – June 2021

- Created an email scraping application in JavaScript that was hosted on a virtual machine in **Google Cloud**.
- Scheduled hourly RegEx and Gmail queries to run through Gmail API and return queried emails **across 5 platforms** as a formatted Discord message using webhooks.
- Assigned **50+ students** to their respective teachers so that they are notified of an incoming message for their classes, receiving **700+ notifications** total.

EXPERIENCE

Web Development Intern

June 2020 – July 2020

techLaunch

North Miami, FL

- Engineered captivating web-based games using in **HTML5, CSS3, and JavaScript**, notably a dynamic highway car dodging game, employing an innovative wave-generated mechanism to seamlessly record and manage player scores using .
- Assisted in the creation of **comprehensive documentation** for developed games, streamlining future troubleshooting and maintenance efforts.
- Collaborated within a **team environment** to enter tournaments showcasing developed games, effectively gathering valuable feedback for **iterative refinement**.

ACTIVITIES

Association for Computing Machinery, Member, Florida State University

Aug. 2021 – Present

Florida States Esports, Member, Florida State University

Aug. 2021 – Present