

# Daniel Dang

dtd21b@fsu.edu | (952) 649-9396 | Tallahassee, FL  
[danieltdang.github.io](https://danieltdang.github.io) | [linkedin.com/in/daniel-dang-cs/](https://linkedin.com/in/daniel-dang-cs/)

## EDUCATION

**Florida State University** | Tallahassee, FL

December 2024

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

**Cumulative GPA:** 3.806

**Related Coursework:** Data Structures, Algorithms, and Generic Programming, Full-Stack Application Development in C#, Applied Statistics for Engineers and Scientists

## TECHNICAL SKILLS

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

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

## 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 **78% 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.

## EXPERIENCE

**Web Development Intern** | techLaunch | North Miami, FL

June 2020 – July 2020

- Programmed games such as a highway car dodging web-based game using a wave-generated system that kept track of scores for every player based on name.
- Competed in tournaments for our games and then gained feedback and time to revise.
- Languages: HTML5, CSS3, JavaScript

## ACTIVITIES

- Association for Computing Machinery**, Member, Florida State University
- Florida States Esports**, Member, Florida State University

Aug. 2021 – Present

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