

ROBED BEAUVILE

(850) 354-0565 | 1849 Dartmouth Ave, Winter Park, FL 32789 | [Github](#) | [Portfolio](#) | [Linkedin](#) | [Email](#)

Detail oriented and forward thinking professional with extensive expertise in software development and relevant course work in Object Oriented Programming in C++, Data Structures and Algorithms, Theory and Structure of Databases, Machine learning, Artificial Intelligence, Linear Algebra, and Statistics.

SKILLS

Proficient in: PHP, Python, JavaScript

Working Knowledge of: T-SQL, CSS/HTML, UNIX scripting, C++, C, Git, AJAX, JSON, Tableau

Web Servers: Apache, Nginx, Gunicorn **Platforms:** Linux/UNIX, Ubuntu, Mac OS, Window

Development Software and Services: Atom, Visual Studio, IDLE, AWS, EC2, LAMP, XAMPP, HEROKU CLI

Frameworks: React.js, Node.js, Django, Flask, Bootstrap, D3.js, jQuery

PROJECTS

FITNESS AUTOMATED PERSONAL TRAINER, (Summer 2020) [Website](#) [Github](#)

Tools: PHP, CSS, React.js, SQL, Bootstrap

- Implemented the Fisher-Yates shuffle algorithm which displayed 1-7 random food recommendation.
- Produced an original algorithm which reduces user's weight by 4% - 12% in 4 weeks.
- Wrote 3000+ lines of source code utilizing PHP MVC best practices.

A.I. CALCULUS TUTOR BOT, (Spring 2020) [Website](#) [Github](#)

Tools: Python, Javascript, HTML, CSS, JSON, AJAX, Django, Numpy, Tensorflow, SymPy NLTK, D3.js

- Administered D3.js to produce interactive step-by-step instructions for solving calculus problems.
- Integrated a retrieval based chatbot API, from scratch.
- Conducted 10 surveys, 1 focus group, and 15 user (student) interviews, received a 90% positive reviews.

2-PART SERIES "LET'S LEARN SQL THROUGH SET THEORY!", (Summer 2020) [Talk 1](#) [Talk 2](#)

Tools: T-SQL, PHP, MAMP, HTML, CSS, Microsoft Excel

- Collaborated with a team of 4 UMS members to teach students T-SQL and relational databases using Microsoft Powerpoint.
- Showcased a database utilizing MAMP, HTML, and CSS to 15+ undergraduate\graduate students.

THE WORLD'S HARDEST GAME, (Spring 2020) [Github](#)

Tools: C, C++

- Reengineered a guessing game to include 26 levels, from scratch. Level 1 is impossible and 26 is a guaranteed victory.

EDUCATION

UNIVERSITY OF PITTSBURGH, Pittsburgh, PA, **MA in Applied Mathematics**

Cumulative GPA 3.86/4.00 (Completed in December 2019)

FLORIDA STATE UNIVERSITY, Tallahassee, FL, **BS in Mathematics** with a **Minor in Computer Science**

Cumulative GPA 3.90/4.00 (Completed in June 2017)

EXPERIENCE

Graduate Teaching Fellow/Lecturer at **University of Pittsburgh,** Pittsburgh, PA

(August 2018 - Present)

- Created and presented course material to 50+ students in 6 weeks with a 93% passing rate.
- Updated and maintained a portfolio of 170+ student's employing Microsoft excel, each semester.

Math logic and Computer Science Researcher at **Florida State University,** Tallahassee, FL

(August 2016 - May 2017)

- Spearheaded a thesis project with a tenured professor to publish an original result.
- Proved that an attachment between two node data types in COQ (an automated proof assistance system) can define an "ordering" of binary trees.