Robed Beauvile

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www.github.com/beauvilerobed **Portfolio:** beauvilerobed/Portfolio/

EDUCATION

University of Pittsburgh	Pittsburgh, PA
Masters of Arts in Applied Mathematics, Cumulative GPA: 3.86/4.00	December 2019
Florida State University	Tallahassee, FL
Bachelors of Science in Mathematics, Minor: Computer Science, Cumulative GPA: 3.90/4.00	June 2017

Relevant Courses Work: OOP in C++, Intro to UNIX, Data Structures and Algorithms, Theory and Structure of Databases, Intro to Machine learning, Optimization, Matrices and linear algebra, Mathematical Finance, Statistics and Probability.

Honors: K. Leroy Irvis Fellowship, President's list, Honors in the major, Southern Scholarship Foundation Award

LANGUAGES

Proficient in: PHP, Python3, HTML5, CSS, Git, UNIX Scripting (bash), Matlab, Web development, C++, MySQL, JavaScript, SASS, Tableau.

Work regularly with: Visual Studios, Flask, Django, Bootstrap, Heroku CLI, AWS, EC2, S3, IAM, Ubuntu environment, Microsoft Excel, Node.js, React, Linux/UNIX, LAMP, XAMPP, JSON, D3.js, PhpMyadmin, Atom, MariaDB, AJAX, jQuery, XML.

RELATED EXPERIENCE

sFITNESS Fitness & Wellness App — Orlando, FL
Founder — May 2020 – Present

- Researched, developed, and debugged an automated personal trainer using React and PHP and wrote 3000+ lines of code.
- Deployed on the AWS cloud service EC2 using an Ubuntu virtual server, bash CLI, MariaDB database.
- Implemented the Fisher–Yates shuffle algorithm to display 1-7 random food recommendation that increased User Experience.
- Produced a TDEE algorithm which reduces user's weight by 4% - 12% in 4 weeks.

Calctutor-bot E-learning App — Pittsburgh, PA
Creator — March 2020 – May 2020

- Reused 20% of open source code to design, develop, and test a responsive instruction based application in Django.
- 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 with a total of 90% positive reviews.

University of Pittsburgh — Pittsburgh, PA
Graduate Teaching Fellow/ Lecturer — August 2018 – May 2020

- Created and presented course material to approximately 50 students in 6 weeks with a 93% passing rate.
- Entrusted with weekly decision making and judgment regarding course flow and material.
- Updated and maintained a portfolio of 100+ student's employing Microsoft excel, each semester.

Florida State University — Tallahassee, FL
Math logic and Computer Science Researcher — August 2016 – May 2017

- Spearheaded a thesis project with a tenured professor to produce an original result in 100+ lines of code.
- Proved that an attachment between two node data types in COQ (an automated proof assistance system) can define an "ordering" of binary trees.

PROJECTS

TWITY - Microblogging App [Website](#) [Github](#) — Spring 2020
- Designed and tested 10 profiles to check user-to-user interaction. Deployed using Visual Studios, Heroku CLI, and Git.

Notepin - Note Taking App [Website](#) [GitHub](#) — Spring 2020
- Established a user authentication system in Flask. Constructed the front-end making use of bootstrap, Javascript, and Jinja2.

The world's hardest game - mini Project [Github](#) — Fall 2019
- Reengineered a guessing game to include 26 levels in C++, from scratch. Level 1 is impossible and 26 is a guaranteed victory.

PUBLIC-SPEAKING

Let's Learn SQL through Set Theory! Part 1 (Webinar) [Talk](#) — Summer 2020
- Collaborated with a team of 4 UMS committee members to give a presentation about the basics of SQL using powerpoint.

Let's Learn SQL through Set Theory! Part 2 Application (Webinar) [Talk](#) — Summer 2020
- Showcased a newly built database utilizing phpMyAdmin, MAMP, HTML, and CSS to 15+ undergraduate\graduate students.

SKILLS

Soft Skills: Consistent, Continuous Research and Learning, Curious, Cooperative, Flexible, Detailed-focused, Motivated, Dedicated