

Robed Beauville

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EDUCATION

University of Pittsburgh

Masters of Arts in Computational and Applied Mathematics, Cumulative GPA: 3.86/4.00

Pittsburgh, PA
December 2019

Florida State University

Bachelors of Science in Mathematics, Minor: Computer Science, Cumulative GPA: 3.90/4.00

Tallahassee, FL
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

TECHNICAL SKIL

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 environment, LAMP, XAMP, JSON, D3.js, jQuery, PhpMyadmin, Atom, MariaDB.

RELATED EXPERIENCE

sFITNESS - Fitness & Wellness App (*Founder and Creator*) [Website](#) [Github](#) [Linkedin](#) [Youtube](#) May 2020 – Present

- Researched, designed, developed (from scratch), debugged, and maintained a multi-platform automated personal trainer using Javascript, React, and PHP.
- Utilized LAMP, PHP MVC best practices and SCRUM/Agile methodologies.
- Deployed on the AWS cloud service EC2 using an Ubuntu virtual server, bash CLI, MariaDB database.
- Implemented the Fisher-Yates shuffle algorithm to display random food recommendations per the users request.
- The app presents a weekly exercise and diet plan that will reduce a users weight by 2% - 6% in 4 weeks.

Calctutor-bot - E-learning App (*Founder and Creator*) [Website](#) [Github](#) [Linkedin](#). March 2020 – May2020

- Reverse-engineered 20% of open source code to design, develop, and test a responsive instruction based application in Django.
- Implemented D3.js to produce a dynamic, interactive step-by-step guide for solving difficult and complex calculus problems.
- Conducted usability tests, 10 user interviews. Also collected data to improved User Experience based on customer requirements.
- Initiated tensorflow, keras, pickle, nltk to create a retrieval based chatbot API, from scratch.

University of Pittsburgh

Graduate Teaching Fellow/ Lecturer

Pittsburgh, PA
August 2018 – May2020

- Created and presented course material, lesson plans, and curricula to approximately 50 students in 6 weeks during the summer.
- Entrusted with weekly decision making and judgment regarding course flow and material.
- Updated and maintained a portfolio of 100+ undergraduate student's grades, utilizing Microsoft excel, each semester.

Florida State University

Math logic and Computer Science Researcher

Tallahassee, FL
August 2016 – May 2017

- Partnered with my thesis advisor (Dr. Ettore Aldrovandi) to successfully produce an original result. We checked and applied an attachment between two nodes in COQ (an automated proof assistance system), showing that one can "order" binary trees.

TECHNICAL PROJECTS

TWITY - Microblogging App [Website](#) [Github](#) Spring 2020

- Design and test 10 profiles to check user-to-user interaction. Deployed using Visual Studios, Heroku CLI, and Git.

Notepin - Note Taking App [Website](#) [GitHub](#) Spring 2020

- Implement a user authentication system in Flask. Constructed the front-end to have dynamic content using Javascript and Jinja2.

The world's hardest game - mini Project [Github](#) Fall 2019

- Reengineered a guessing game with 26 levels in C++, from scratch. Level 1 is impossible and 26 is a guaranteed victory.

PUBLIC-SPEAKING PROJECTS

Let's Learn SQL through Set Theory! Part 1 (Webinar) [Talk](#) Summer 2020

- Collaborated with a team of 4 UMS committee members to show 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 designed database utilizing phpMyAdmin, MAMP, HTML, and CSS to 15+ undergraduate\graduate students.

SOFT SKILLS & INTERESTS

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