

# Robed Beauvil

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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