

# Robed Beauville

**Phone:** (850) 354 0565 • **Email:** robedbeauvil@gmail.com • **Linkedin:** www.linkedin.com/in/robed-beauvil/

**Github:** www.github.com/beauvileroberd **Portfolio:** beauvileroberd/Portfolio/

**Address:** 1849 Dartmouth Ave, Winter Park, FL 32789

## EDUCATION

### **University of Pittsburgh**

Masters of Arts in Applied Mathematics,

GPA: 3.86/4.00

Pittsburgh, PA

December 2019

### **Florida State University**

Bachelors of Science in Mathematics, Minor Computer Science

GPA: 3.90/4.00

Tallahassee, FL

June 2017

**Relevant Courses Work:** Object Oriented Programming in C++, Intro to UNIX, Data Structures and Algorithms, Theory and Structure of Databases, Machine learning, Artificial Intelligence, Matrices and linear algebra, Statistics and Probability.

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

## SKILLS

**Languages:** PHP, JavaScript, Python, C++ HTML, CSS, Git, UNIX Scripting (bash), SQL

**Familiar with:** C#, C, Tableau

**Tools and technologies:** Node.js, React.js, Visual Studios, Flask, Django, Bootstrap, JSON, AJAX, jQuery, MySQL, mariaDB, D3.js, Heroku CLI, AWS, EC2, Ubuntu environment, Microsoft Excel, LAMP, XAMPP, PhpMyadmin, Atom

## EXPERIENCE

### **University of Pittsburgh**

Graduate Teaching Fellow/ Lecturer

Pittsburgh, PA

August 2018 – Present

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

### **Florida State University**

Math logic and Computer Science Researcher

Tallahassee, FL

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

**sFITNESS Automated personal trainer** [Website](#) [Github](#)

Summer 2020

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.

**Calctutor-bot A.I. tutor app** [Website](#) [Github](#)

Spring 2020

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.

**TWITY - Microblogging App** [Website](#) [Github](#)

Spring 2020

Tools: SQL, Flask, HTML, CSS, Javascript, Bootstrap, Jinja2

- Designed 10 profiles to check user-to-user interaction and established a user authentication system.

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

Fall 2019

Tools: C, C++, Visual Studios

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

## LEADERSHIP EXPERIENCE AND EXTRACURRICULAR

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

Summer 2020

Undergraduate Math Seminar

- Collaborated with a team of 4 UMS members to teach students T-SQL and relational databases using Powerpoint.

**Let's Learn SQL through Set Theory! Part 2 Application ( Webinar )** [Talk](#)

Summer 2020

Undergraduate Math Seminar

- Showcased a database utilizing MAMP, HTML, and CSS to 15+ undergraduate\graduate students.

**Treasurer and Media Coordinator for Rotary house**

May 2015 - June 2017

Southern Scholarship Foundation

- Managed the financial affairs of the Rotary house of 13 residents, including utilities, miscellaneous, and social events.

**Vice President**

August 2013 - May 2014

Miami-Dade College Robotics Club

- Created a TIC TAC TOE robot, lead a team of 4