ROBED BEAUVILE

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EDUCATION

M.A. in **Applied Mathematics**
University of Pittsburgh – Pittsburgh, PA, 2019
GPA: 3.86/4.00

B.S. in **Mathematics**
Florida State University –Tallahassee, FL, 2017
GPA: 3.90/4.00

Curriculum: Object-Oriented Programming, Javascript, Web Design, Relational Databases, Unix tools, Machine Learning, Linear Algebra, Statistics.

EXPERIENCE

GRADUATE TEACHING FELLOW / LECTURER
University of Pittsburgh - Pittsburgh, PA, 08/2018 - present
- Collaborated with 6-10 faculty members to maintain a portfolio of 250+ students each semester
- Taught and tutored courses in Advanced Mathematics, Calculus, College Algebra, and Linear Algebra
- Composed and presented course material to 50+ students in 6 weeks Achieved a 93% passing rate.

MATH LOGIC AND COMPUTER SCIENCE RESEARCHER
Florida State University - Tallahassee, FL, 08/2016 - 05/2017
- Programmed a new mathematical result in 100+ lines of code. Team of 2
- Proved that 2 node data types have a partial ordering in a formal proof management system. Result
- Lead meetings 1-2 times a week for project management and weekly review sessions.

SKILLS

Activities: STEM Mentoring Program, Vice President of Robotics Club, Dean's List, President's List, Summa Cum Laude, Magna Cum Laude.

Languages: Python, JavaScript, PHP

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

Working Knowledge of: C++, HTML5, CSS3, Bash scripting, Git, SQL Database, XML, Tableau, SSL, Responsive Web Apps

Web Servers: Apache, Nginx
Services: IAM, Amazon web services AWS, Elastic Cloud Services EC2, Heroku CLI,
Visual Basics

PROJECTS

Full Stack Fitness Training, 05/2020 - present, Github, Website.
- Implemented the Fisher-Yates algorithm to display 1-7 food recommendations.
- Wrote 2000+ lines of well organized maintainable code. Used MVC best practices and Agile methodology.

Tools: PHP back-end, CSS, React Javascript, MySQL SQL Server, Bootstrap, XAMPP, AWS, Elastic Cloud

A.I. Calculus Tutor Bot, 03/2020 - 04/2020, Github, Website.
- Launched a mobile responsive Django calculus compute engine.
- Engineered a retrieval based chatbot API with 20+ response. Wrote and debugged Test Automation cases.
- Directed 10 surveys, 1 focus group, and 15 user interviews, 90% positive review.

Tools: Python back-end, Javascript, HTML, CSS, JSON, AJAX, Django, Tensorflow, NLTK, D3.js, SQLite Database

Relational Databases & Set Theory Webinar, University of Pittsburgh, 05/2020 - 05/2020, Github, Talk 1, Talk 2.
- Invited as the special guest speaker of 2 seminars about relational databases and its relation to set theory, 15 attendees.
- Designed a database to provide an example of SQL relational databases for the 2nd seminar.

Tools: MySQL Database, PHP back-end, MAMP stack, HTML / CSS front-end, Microsoft PowerPoint, Zoom Webinar Software

Personal Website, Github, Portfolio, Deployed developer portfolio on Github pages. **Tools**: ReactJs, Node.js, Git, HTML/CSS
TWITTY Microblog, Website, Github, Built a full stack and responsive social blogging website. Tested 10 user profiles. **Tools:** Flask, Python, jQuery, Bootstrap, jinja2, HTML, CSS, SQL Alchemy