Robed Beauvile

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EDUCATION

MA in **Applied Mathematics,** 2019**, University of Pittsburgh,** Pittsburgh, PA, **GPA**: 3.86/4.00
BS in **Mathematics,** 2017**, Florida State University,** Tallahassee, FL, **GPA**: 3.90/4.00

Curriculum: Object-Oriented Programming, Javascript programming language, Responsive Web Design and Software Applications, Relational Databases, Linux/ Unix tools, Deep Learning, Optimization, Advanced Linear Algebra and Matrices
Activities: STEM Mentoring Program, Vice President of Robotics Club, Dean's List, President's List, Summa Cum Laude, Magna Cum Laude.

EXPERIENCE

University of Pittsburgh, *Graduate Teaching Fellow / Lecturer* (08/2018)-Present, Pittsburgh, PA
Collaborated with 6-10 faculty members to maintain a portfolio of 250+ students each semester.
Taught and tutored courses in Advanced Mathematics, Calculus 1 - 3, College Algebra, and Linear Algebra.
Composed and presented course material to 50+ students in 6 weeks. Achieved a 93% passing rate.

Florida State University, *Math Logic and Computer Science Researcher,* (08/2016)-(05/2017), Tallahassee, FL
Programmed a new mathematical result in 100+ lines of code. Team of 2.
Proved that 2 node data types have a partial ordering in COQ, a formal proof management system. (Result)
Lead meetings 1-2 times a week for project management and weekly review sessions.

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 and Set Theory Webinar, University of Pittsburgh, (05/2020)-(05/2020) (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: Deployed developer portfolio on Github pages. (Portfolio, Github)
Tools: ReactJs, Node.js, Git, HTML/CSS

TWITTY Microblog: Built a full stack social networking website. Created and tested 10 user profiles. (Website, Github)
Tools: Flask, Python, jQuery, Bootstrap, jinja2, HTML, CSS, SQL Alchemy

Notepin app: Designed a multi-browser note-taking app. Deployed on Heroku Cloud services. (Website, Github)
Tools: Flask, Python, Javascript, Bootstrap, jinja2, HTML, CSS, PostgreSQL

SKILLS

- **Proficient in:** PHP, Python, JavaScript
- **Working Knowledge**: C++, SQL, HTML5, CSS3, HTML, CSS, Bash shell scripting, Git, SQL Database, XML, Tableau, Mobile Responsive Design, SSL, HTTP Protocols, Web Apps, CI/CD
- **Web Server:** Apache, Nginx **OS:** Windows, Linux/UNIX, macOS, Ubuntu
- **Software and Services**: IAM, Amazon web services AWS, Elastic Cloud Services EC2, Heroku CLI, Visual Basics
- **Libraries / Frameworks:** React, ReactJs, Node.js, Node, Django, Flask, Bootstrap, D3.js, jQuery