

Alexander Fisher

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EDUCATION

University of Florida

Bachelor of Science in Computer Science

Grade Point Average 3.77

Gainesville, FL

Jan. 2023 – Exp. May 2026

Coursework Discrete Structures, Linear Algebra, Datastructures and Algorithms, Computer Organization

EXPERIENCE

ACM - Workshop Lead

Jun. 2023 – Present

University of Florida Association for Computing Machinery | ACM

- Elected as the official ACM Co-Workshop Lead for the 2024-2025 academic year
- Planned and hosted educational workshops aimed at enhancing technical and professional skills among students in the computing field
- Designed interactive and engaging content to foster learning and innovation in software development and computer science

ACM - ACMake Design Team | *React, CSS, TailwindCSS, FramerMotion*

- Selected as a member of the UF-Association for Computer Machinery **ACMake** Design Team
- Spearheaded the optimization of the legacy UF ACM website by employing React's component-based architecture, enhancing site performance and maintainability
- Integrated React TsParticles Library to revolutionize the site's aesthetic, introducing a contemporary and interactive user experience
- Redesigned the website's frontend utilizing TailwindCSS, achieving a modern and user-friendly interface

PROJECTS

Barbell - Social Media Web Application | *Python, Django, MySQL, React, HTML, CSS, JavaScript, Git*

- Spearheaded the development of "Barbell," a pioneering gym-focused social networking platform, leveraging a **full-stack** approach to connect fitness enthusiasts
- Engineered dynamic user profiles and interactive features mirroring industry giants like **Instagram** and **YouTube**, utilizing **Django's** robust user model capabilities
- Implemented a secure, **scalable database** architecture with **MySQL**, optimizing data storage and retrieval processes for personalized user experiences
- Achieved seamless frontend integration with Django, employing HTML, CSS, and JavaScript to craft intuitive, responsive user interfaces
- Utilized collaborative development and version control using **Git**, enhancing team efficiency and code quality in a fast-paced environment
- Initialized cloud hosting with **DigitalOcean**, configuring **Gunicorn** and **Nginx** to ensure reliable, high-performance access to a global audience
- Automated critical security features, including email verification, by integrating **Django's All-Auth** with **SendGrid's API**

Code for Change Hackathon - Finance AI Chatbot | *OpenAI API, NodeJS, React, Tailwind CSS*

- Lead developer at the Code for Change 2024 **Hackathon** by developing a finance-focused AI chatbot
- Engineered a responsive frontend web application with React and Tailwind CSS
- Utilized OpenAI's **ChatGPT-3.5 Turbo** text generation API model for dynamic, real-time financial advice, leveraging advanced natural language processing to decode complex queries

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML, CSS, SQL

Frameworks: Django, React, TailwindCSS, Catch2

Developer Tools: Git, GitHub, VS Code, PyCharm, CLion