Lilly Sharples

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EDUCATION

The University of Georgia, *Honors Program*, Athens, GA   August 2019- May 2022
- **Major:** B.S Computer Science
- **GPA:** 3.81/4.00
- **Honors:** Fall 2020 and 2021 Presidential Scholar (4.0 GPA), Honors Program (Top 5% of Class)
- **Relevant Coursework:** Artificial Intelligence, Data Mining, Data Structures, Computing Ethics, Web Programming

PROJECTS

- **Web Programming Project,** *December 2021-* built a dynamic website using PHP, MariaDB for SQL, jQuery, CSS and HTML. Users are able to register with automatic password hashing encryption, change their username and email, and view, search, add, or remove sports/players/teams from their favorites page
- **Miami Hack Week,** *August 2021-* Built a smart alarm clock app to encourage a morning stretching routine using Xcode and a Create ML Action Classifier trained on over 400 videos. Presented a demo to a panel of judges.
- **Portfolio Optimization Research,** *May 2021-* Researched the Hierarchical Risk Parity algorithm, then created multiple portfolios of stocks and cryptocurrencies to compare this algorithm with other portfolio optimization techniques (Inverse- and Minimum-Variance).
- **UGA/Wells Fargo Data Science Competition,** *April 2021-* Created Logistic Regression, Random Forest, and Gradient Boosting models to determine if credit card applications should be approved or denied. Created and presented a report of our findings.
- **Predicting Reddit Forums Models,** *April 2021-* Using 1,368,659 Reddit entries, created Multinomial and Bernoulli Naive Bayes classifiers to determine which subreddit a body of text belongs to among six popular reddit forums.
- **Airbnb Price Prediction Models,** *April 2021-* Created and analyzed seven regression models (including Linear Regression, Random Forest, and Bagging) with a dataset of 74,111 airbnbs in popular US cities.
- **Ethereum Fraud Detection Models,** *March 2021-* Created Logistic Regression and KNN models to determine if an Ethereum cryptocurrency transaction is likely to be flagged as fraudulent.

PROFESSIONAL EXPERIENCE

Hedge Invest, *SWE Intern,* Remote   January 2022 - Present
- First intern at early stage startup building a community-based mobile investing app
- Learning front-end and back-end until public launch, then focusing on data analytics and sentiment analysis

EATS2SEATS, *Bar Manager,* Athens, GA   November 2021 - Present
- Bar manager at UGA athletic events, responsible for 5-7 bartenders. In charge of inventory, ensuring bartenders follow alcohol laws, communication with external vendors/staff, and ensuring quick sales for happy customers.

IBM, *DevOps Engineer Intern,* Raleigh, NC   May 2021 - December 2021
- Created a program to generate and optimize the JSON schema used to automate unit test cases for the Z Virtual Test Platform
- Worked remotely on an international, Agile team based out of Tokyo, Japan
- Participated in Call for Code Global Challenge Hackathon and hosted an IBM Design Thinking Summer Camp workshop

Pinnacle Nutrition, *Team Member,* Raleigh, NC   May 2020 - August 2020
- Designed and deployed graphics for in-store and online advertising through Canva
- Customer outreach through various social media platforms, specifically Instagram Business Tools

LEADERSHIP & RELEVANT EXPERIENCE

Terry FinTech Society, *Vice President,* Athens, GA   September 2020 - Present
- Plan and run weekly educational meetings with guest speakers on topics in blockchain, AI, IoT, etc.
- Recently recruited 80 new members and ran interviews for Executive Board positions

Women in Tech, *Co-President,* Athens, GA   September 2020 - Present
- Maintain calendar of professional development meetings with a variety of technology-based companies to improve the educational, social, and cultural standards of women in technology

HONORS & AWARDS

Cognizant, *Pathways in Technology Scholarship*   August 2021
- Received this scholarship which aims to build an inclusive pipeline of tech talent by supporting students from underrepresented communities as they pursue a degree in computer science

University of Georgia Computer Science Department, *Albright Scholarship Fund*   November 2020
- Recognized as an outstanding undergraduate student majoring in computer science, specifically as a female who has historically not had the opportunity to obtain leadership positions in the computer science field

SKILLS

>2 years: Java, Python, Jupyter, Eclipse, VSCode

<2 years: HTML, JavaScript, SQL, PHP, Solidity, React Native, Unit Testing, AWS, XAMPP

Self motivated, driven, strong work ethic, dependable leader, national and international communication, time management, organization

INTERESTS

Fintech, blockchain, emerging tech, computing ethics, equestrian sports, running, weight lifting, boxing, hot yoga, traveling, cooking