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 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

EATS2SEATS, *Bar Stand Manager,* Athens, GA   September 2021 - Present
- Keep track of inventory and total sales at a bar stand for UGA Basketball Games. In charge of 6 bartenders at my stand

IBM, *DevOps Engineer Intern,* Raleigh, NC   May 2021 - Present
- 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, artificial intelligence, IoT, cybersecurity, biometrics, and quantum computing. Additionally in charge of attendance and alumni outreach
- Recently recruited 80 new members and ran interviews for Executive Board positions

Women in Tech, *Vice President of Operations,* 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

CrowdStrike Foundation, *NextGen Award Winner*   October 2019
- One of two undergraduate students to receive a scholarship supporting educational development and leadership in cloud-based cybersecurity and artificial intelligence

SKILLS

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

<2 years: Solidity, HTML, JavaScript, SQL, PHP, C++, Swift, 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