Anna Lulushi

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SKILLS

Programming Languages: Python, GoLang, Solidity, Swift, C/C++, Java, JS, SML, HTML**,** MATLAB
Frameworks and Services: React, Pandas, NumPy, Hardhat, OpenZeppelin, Git, AWS DynamoDB, SQS, Lambda
Management: Risk assessment, budgeting, financial planning, event planning

WORK EXPERIENCE & RESEARCH

Senior Engineer – 10kHeartsNFT, Remote **January 2021 – Present**

- Creating ERC721 contract in Solidity with original features for users to self-mint customized NFTs–the first contract of its kind.
- Designing and generating NFTs from 10 features with 10M+ possible combinations using Figma and Rotato.
- Managing engineering team to build website, custom minting page, and Airdrop smart contract.

Solidity Engineer – Party Round, Remote **December 2021 – February 2022**

- Designed and implemented Solidity smart contract for Fintech application.
- Leveraged Hardhat environment to write 300+ simulation and unit tests.
- Interfaced with Web2 engineers to create seamless UI/UX flow and integration with Solidity backend.

Quantitative Strategist Intern – Goldman Sachs, New York, NY **June 2021 – August 2021**

- Rotated on Equities Structured Products and GSET Eq Cash Algo desks.
- Improved existing options trading algorithm by researching and incorporating new signal for price improvement using Python and C++.
- Created script to visualize and attribute day-over-day breakdown of Volatility Profit and Loss for Equities Exotics using proprietary language.

Software Engineering Intern – GoDaddy Inc., Austin, TX **May 2020 – August 2020**

- Deployed plugin automation for Websites + Marketing products using Jenkins that reduced site provisioning time to 10 minutes—50% improvement for customers.
- Built a serverless solution to manage configuration and provisioning of plugins on all Websites + Marketing products for end users, using Kotlin, AWS Lambda, SQS, and DynamoDB. The solution increased reliability of the overall service and reduced AWS infrastructure costs by 20%.
- Contributed to a collaborative Agile scrum team and participated in backlog grooming, sprint planning, demo, retrospective, and other activities.

Teaching Assistant – CMU Department of Mathematical Sciences, Pittsburgh, PA **August 2019 – May 2021**

- Led weekly recitations and one-on-one mentoring sessions for over 90 students in multiple courses
- Received a course evaluation rating 20% higher than department average.

Research Analyst – CMU Department of Computational Finance, Pittsburgh, PA **June 2019 – December 2019**

- Conducted research on portfolio optimization strategies and formulated techniques for evaluating risk and return profiles of discrete time buy-and-hold models. Presented project analysis to team leads and peer evaluators.
- Created original models, scripts, and visualizations for portfolio optimization using Julia and Python

EDUCATION

Carnegie Mellon University, Pittsburgh, PA **August 2018 – May 2022**
B.S. in Computational and Applied Mathematics, Minor in Computer Science (GPA: 3.83/4.00)

- Coursework: Distributed Systems, Machine Learning, Computer Systems, Parallel and Sequential Algorithms, Functional Programming, Real Analysis, Discrete Math, Continuous and Discrete Time Finance, Probability Theory, Numerical Methods.

Honors and Awards

CMU University Honors May 2022
CMU Senior Leadership Recognition Award May 2022
CMU Risk Management and Standards Greek Life Award **November 2021**
Pricewaterhouse Coopers (PwC) Grace Hopper Scholarship Recipient **October 2019**