

ROSALIND STENGLE

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EDUCATION

University of Wisconsin - Madison

Sept 2016 - Dec 2020

Bachelors of Science in Computer Science and Economics (Math emphasis)

Focus: Algorithms, Game Theory, Cryptography, Data Structures and Object Oriented Programming

Teaching Assistant Cryptocurrencies (Fall 2018, Spring 2020) -- Designed course structure, readings and syllabus for new class, taught to 50 undergraduate and MBA students each iteration

Badger Blockchain Founder and President -- organized 15+ technical and business focused events for both students and professionals in Madison, WI, Grew from new club to 50 active student members, 200+ on slack, hosted a 60+ attendee blockchain hackathon, raised \$5000

Undergraduate Project Lab Coordinator -- facilitated and maintained a hackerspace for undergraduates by organizing 10+ annual events for department of Computer Science and assisting in student projects

Wisconsin Robotics Software Controls Lead -- Lead team of ten, larger team of 100+, directed new student training and managed communication and kinematic software for team's Mars rover

EXPERIENCE

Intern US Dept. of Education, Federal Student Aid

Sept. 2020 to May 2021

- Directed a team of two other interns in coordinating across federal teams and government contractors
- Designed automation of cross system auditing process, saving 4 weeks of tedium annually per employee
- Implemented prototype of Robotic Process Automation tool for internal audits within Dept. of Education

Intern Column (early stage startup)

June to July 2020

- Engineered internal cross-platform tool to support partnerships team in fast paced go to market plan, making a 10 minute process a single click using typescript and serverless backend
- Architected Google AutoML Machine Vision model to save hours of manual document combing
- Authored from start to finish proposal for new cryptographic feature for all customers
- Managed company reincorporation as a benefit corporation including internal review with COO

Software and Product Intern UMA (early stage startup)

Jan. to Aug. 2019

- Expanded Solidity smart contracts and Javascript unit and integration testing for open source finance focused Ethereum project with team of three engineers
- Designed two React apps on node.js for external partners to make blockchain features more intuitive
- Developed economic models through iterative design process for later published whitepaper

Software Engineering Intern Ripple (startup)

June to Aug. 2018

- Deployed new multihop payments feature with Maven and Spring for banks and other financial clients
- Chaired end to end feature design and API integration for a large enterprise Java application

PROJECTS

(more on request)

asciicam Typescript based chat app for low fidelity network connections that converts camera input to user given text characters and displays in a connected command line interface

TEAL Full stack python web app using geospatial data, SQLite, and Django to explore arid land use in Texas

butterfLEYE Digital ALS communication board on the web using eye tracking software

pathogen Multilevel game built in unity to demonstrate the functions of the immune system (hackathon finalist)