Rory Fahy

Biophysics major turned Software Engineer

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PROJECTS

AmbientDJ
- Created a native desktop playlist generator based on song moods for use by D&D DMs
- Stored user song metadata in a local SQlite database
- Used sqlite3 to save song metadata in database
- Used Kivy to create the GUI
- Used python pyinstaller to create executable files

Two-Sided Market: V1, V2, V3, V4
- Worked in a team to create a robust clone of the the AirBnB website
- Written using: Python, MySQL, SQLAlchmey, Flask, Nginx, HAProxy, Gunicorn, JavaScript, JSON, HTML5, CSS
- Built RESTful api using flask
- Rendered homepage server side using flask

SimpleShell (sh)
- Collaborated to develop a version of the Thompson Shell (sh)
- Written in C and tested with bash scripts

Sorting Algorithms
- Reengineered: quick sort, merge sort, shell sort, radix sort, bitonic sort, heap sort, insertion sort and several other popular sorting algorithms

EDUCATION

Holberton School, New Haven, CT — Full Stack Software Engineering Certificate

January 2019 - Present

- Strengthened my problem-solving skills as a result of the Pseudo-work environment fostered by the Peer to Peer and project-based learning
- Developed a strong understanding of core technologies at each layer of the stack

University of Connecticut, Storrs, CT — B.S. Structural Biology and Biophysics (May 2017)

September 2014 - May 2017

- Expanded my knowledge in the areas of physical and chemical aspects of molecular interactions

EXPERIENCE

Alder Home Security, Houston, TX — Sales Team Leader

December 2017 - May 2018

Alder Home Security, Cleveland, OH — Door to Door Sales Representative

May 2017 - November 2017

SKILLS
- Python
- C
- Bash
- SQL
- GIT

OFFICE
- MS suite (word, excel, powerpoint)

FAMILIAR WITH
- HTML/CSS
- JavaScript (node)
- Flask, Jinja
- Graph Databases (neo4j)
- Load Balancing and Network Ingress (HAProxy)
- Nginx, Gunicorn
- JQuery
- Valgrind, GDB
- Kivy
- Unit testing

SOFT SKILLS
- Problem Solving
- Critical thinking
- Public Speaking
- Collaboration
- Team Leading

TEAMS
- UConn Genetically Engineered Machine
- 2 time brandies 3D Printathon winner
- Yale 36 hour hackathon