Sam Royall

Chicago, IL

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Seeking a role as an entry-level Backend or Full-stack Software Engineer

Education

Coding Dojo *Virtual*

FULL-TIME FULL-STACK SOFTWARE ENGINEERING BOOTCAMP *January 2021 - May 2021*

- **Relevant Courses**: Web Fundamentals (JQuery, Bootstrap, HTML/CSS); Python (Django, Flask, SQLite, MVC Data Modeling); MERN (MongoDB, Express, React, Node, Socket.io, REST APIs, Asynchronous Code); C# (ASP.NET, MVC Data Modeling, Object-Oriented Design); Data Structures (Strings, Arrays, Linked Lists, Trees)

University of Chicago *Chicago, IL*

BS IN COMPUTER SCIENCE, BA IN PHILOSOPHY, GPA: 3.44/4.0 *October 2015 - June 2019*

- **Awards**: *Dean's List 15/16, 16/17, 17/18, 18/19*
- **Relevant Courses**: Intro to CS (Haskell/C); Computer Systems (C); Networking (C); Database Systems (Java); Security (Python); Cryptography (Python); Cryptocurrencies (Python); Computational Linguistics (Python); Functional Programming (Elm); Discrete Math; Algorithms

Skills

Languages	C++, C#, Python, JavaScript, Typescript
Frameworks	React, Django, Flask, ASP.NET
Libraries	Express, Socket.io, Axios, Gatsby, JQuery, Bootstrap
Other	Git, Amazon Web Services, Linux, MongoDB, Postgres, MySQL, SQLite, HTML, CSS

Projects

info-rm

PYTHON, DJANGO, JQUERY, SQLITE, AWS *Winter 2020*

- *info-rm* aggregates gameplay statistics regarding soccer players in Europe's top domestic leagues and international tournaments. The application features a trie-based player search algorithm and a SQL query model and user interface.

Klotski Solver

REACT, NODE, TYPESCRIPT, GITHUB PAGES *Summer 2020*

- *Klotski Solver* is an elegant React puzzle solver, which uses an implementation of Dijkstra's Algorithm to find and display optimal solutions to user-input Klotski puzzles.

u ain't got no type

PYTHON, DJANGO, JQUERY, SQLITE, CHARTJS, AWS *Winter 2021*

- *u ain't got no type* is a simple and elegant typing test that displays a user's real-time WPM and generates beautiful visualizations at test completion using *chartJS*.

CoCODE

REACT, NODE, EXPRESS, SOCKET.IO, PRISMJS, AWS *Winter 2021*

- *CoCODE* is a collaborative code editor, allowing users to work on a shared document with real-time updates and *prismJS* syntax highlighting through the power of *socket.io*.

Experience

Stroz Friedberg, an AON Company *Chicago, IL*

DFIR CONSULTANT, CYBER ASSOCIATE *August 2019 - December 2020*

- Co-developed a Python command line tool used to forensically preserve GitHub repositories using the GitHub API
- Developed a Python command line tool used to facilitate identification of PII from source files using a SQLite database
- Played an important role within the Digital Forensics and Incident Response (DFIR) business unit, taking on various client engagements ranging from large-scale ransomware attacks to sensitive information exposure incidents and business email compromises
- Presented research regarding web scraping and other privacy-related vulnerabilities to prospective clients
- Earned promotion to consultant, taking on mentorship opportunities and increased responsibility in client engagements

Stroz Friedberg, an AON Company *New York, NY*

INTERN *June 2018 - August 2018*

- Developed a Python command line tool used to analyze local Git repositories for evidence of data obfuscation
- Provided in-depth research and analysis during a large-scale user data exposure investigation for a Fortune 50 company