

Mohamad Mounir Safadieh

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EDUCATION

B.A. Computer Science

Aug 2017 - May 2021

Vassar College, Poughkeepsie, NY

Relevant Coursework:

- Analysis of Algorithms
- Computer Organization
- Data Structures & Algorithms
- Software Design & Implementation

EXPERIENCE

Research Assistant

Sep 2019 - Present

Computer Science Department @ Vassar College, Poughkeepsie, NY

- Integrating Ancile, a privacy framework, with the Databox project through a Node.js app
- Redesigning Ancile front-end using Vue.js and GraphQL/Graphene

Research Fellow

May 2019 - Aug 2019

Undergraduate Research Summer Institute, Poughkeepsie, NY

- Built an online dashboard using Django, PostgreSQL, and Bootstrap for Ancile
- Built a visualizer for the policy language using MermaidJS
- Containerized Ancile using Docker with NGINX and Redis
- Developed Python and TypeScript/JavaScript libraries for Ancile apps

Independent Study - Building Privacy-Aware Apps

Jan 2019 - May 2019

Vassar College, Poughkeepsie, NY

- Developed Slack chatbots using Flask to demonstrate the functionality of Ancile
- Deployed apps on Ubuntu VM using NGINX and Gunicorn

Research Assistant

Sep 2018 - May 2019

Arabic Studies @ Vassar College, Poughkeepsie, NY

- Increased task efficiency by developing Python tools that automate research tasks
- Analyzed and categorized movies and documentaries on different topics

Lab Assistant

May 2018 - Aug 2018

Psychology Department @ Vassar College, Poughkeepsie, NY

- Researched psychological literature to understand variations of given task
- Developed a customizable cognitive motor task in JavaScript to be used for psychological research
- Developed a wrapper in Python injecting the JavaScript code in Qualtrics raw JSON surveys

SKILLS

Programming Languages

Python, JavaScript (ES6+), TypeScript, Bash, Java

Back-end Development

Django, Flask, PostgreSQL, SQLite

Front-end Development

HTML/CSS, Bootstrap, Vue.JS

Misc. Skills

CLIs, Docker, Git, Regular Expressions

Languages

English, Arabic, French