

Mohamad Mounir Safadieh

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EDUCATION

B.A. Computer Science

May 2021

Vassar College, Poughkeepsie, NY

Relevant Coursework: Analysis of Algorithms, Computer Organization, Data Structures & Algorithms, Software Design & Implementation, Language Theory & Computation, Operating Systems

PROJECTS

Ancile *A platform for privacy-aware development*

github.com/ancile-project/ancile

Ancile provides an interface for users to authorize data import from data providers and specify policies on how it's used by each app. Policies are regular expressions over a set of commands that operate over data.

EXPERIENCE

Research Assistant

Sep 2019 - Present

Computer Science Department @ Vassar College, Poughkeepsie, NY

- Working remotely with the Databox Project in the UK to integrate Ancile into Databox
- Redesigning Ancile front-end using Vue.js and GraphQL/Graphene

Research Fellow

May 2019 - Aug 2019

Undergraduate Research Summer Institute, Poughkeepsie, NY

- Worked with other students on an online dashboard for Ancile using Django, PostgreSQL, and Bootstrap
- 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

- Independently developed Slack chatbots using Flask to demonstrate the functionality of Ancile
- Deployed apps on Ubuntu VM using NGINX and Unicorn

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

- 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

Advanced

Python, JavaScript

Intermediate

Bash, C, Java, Racket, TypeScript

Novice

Haskell, Rust

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