Melanie A. Chow

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Education

The University of Chicago
B.S in Computer Science | GPA: 3.93
Expected June 2021

Stuyvesant High School
Regents Diploma | GPA: 4.0
Recieved June 2017

Skills

Languages:

C	●●●	HTML	●●○
Java	●●●	CSS	●●●
Javascript	●●○	R	●●○
Python	●●●	SQL	●●●

Frameworks & Databases:

Angular JS ●●●
Express JS ●●○
Node JS ●●●
CosmosDB ●●○

Other:

Adobe Photoshop ●●●
Microsoft Office ●●●

Projects

SafeRoute
A web application that determines the safest route home, based on NYC public crime data.

- Determines a safety score for each route based on the # and type of crime along the route using coordinates from the Places API
- Contains a 'crime cluster map' that groups nearby crime and displays them as markers using the Google Maps API.

Experience

Medivis Inc.
Software Development Intern
June 2018 - September 2018

- Designed and created a CosmosDB database to store anatomy part data.
- Built a web interface to collect, display, and modify data for internal use by the 3D-modelling team, and external use by all University clients.
- Wrote shell scripts in Python and JavaScript to migrate thousands of cells of data from Google Sheets and Autodesk Maya.
- Built a REST API to regulate data retrieval with SQL and Express JS.
- Presented reports weighing the cost and time efficiency of different database designs in front of all my colleagues.
- Engaged in code reviews and wrote extensive documentation.

Environment New York
Field Manager and Canvasser
July 2017 - August 2017

- Raised over $3,000 over 3 weeks by canvassing and leading 2-3 rotating canvassers each day.
- Trained, supervised and led canvassers by stationing them in population-dense areas, providing tips, and giving feedback.

Activities

International Leadership Council : Entreprenuership
Associate
September 2017 - Present

- In charge of finding guest speakers and organizing modules on marketing research, UI/UX design, public speaking, business management fundamentals, etc.
- Co-founded a startup that raised over $5,000 over 100 days as part of the club's 100 Day Startup Challenge.
- Served as the Marketing Head for the startup: created the logo, the website, social events, slideshows, and posters.

ArtShould
Mentor
September 2017 - Present

- Hosted afterschool art workshops at low-funded schools in Hyde Park, and assisted children in making crafts.