

Samuel Tran

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EDUCATION

Texas A&M University (College Station, Texas)

May 2020

- Bachelor of Science in Applied Mathematics Sciences, Computational Emphasis
- Minor: Computer Science

PROJECTS

The Dollars thedollars-crm.herokuapp.com: (Python, Django)

July 2020

- Designed a full-stack CRM web application for bars/clubs that includes login authentication, customer/admin profile, customer reservations, and inventory management. Admin-demo: *User: demo Pass: demo123!*
- Developed the application using the Django web framework, HTML, CSS and connected to AWS Postgres for database services.

Onitama Game Engine github.com/stran314/OnitamaGameEngine (Python)

June 2020

- Replicated a two-player abstract strategy game based off a popular Japanese board game, Onitama.
- Designed and implemented graphical user interface using Python's de-facto standard GUI package, tkinter.

ACADEMIC PROJECTS

Estimating the Population of the U.S.A (Python)

April 2019

- Applied the method of least squares to a logistic model to find the line of best fit for different carrying capacities, in order to predict the population of the United States.

Hexagon Cross for Less (Java)

November 2019

- Designed algorithms that would generate a list of primes, twin primes, and hexagon crosses.
- Developed a GUI, using the Swing Library in Java, that would allow users to generate a specific number of primes at any starting number and load or save these generated numbers to a text file.

Assemble and Disassemble (C++)

November 2019

- Built a Full Assembler that translates HACK assembly code to 16-bit HACK binary machine code and a Disassembler that does the reverse.

ACTIVITIES

Aggie Coding Club

January 2020 – May 2020

Member

- Attended weekly meetings and participated in interactive programming activities provided by visiting companies.

TAMU Hackathon (College Station, Texas)

January 2020

Hacker

- Developed a FoodieBot that recognizes food keywords from conversation inputs and outputs a list of suggested links.
- Implemented this chatbot using the Google Cloud Dialogflow API and Javascript.

Beta Tau Omega

January 2019 – May 2020

Secretary

- Managed social media presence and provided an increase in community presence.
- Supervised philanthropy committee on improvement and cultural outreach through philanthropy events.

SKILLS

Proficient: Python, C++, Java, data structures and algorithms.

Novice: HTML, CSS, Javascript, SQL