

BRYAN A. MOY

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EDUCATION

UNIVERSITY at BUFFALO (Senior)

- Undergraduate Major: Computer Engineering B.S

May 2020

PROJECTS

Django Mango Web App (React JS, Django)

- Built a Web application for people to join groups for their own projects
- Utilized React JS to program frontend functionality of website
- Utilized Django for backend setup

Mauna Kea Telescope Protest Voting Ballot (Solidity, JavaScript, HTML, CSS)

- Designed and constructed a voting ballot through blockchain structure
- Composed a smart contract and its decentralized application

Frogger (ARM Assembly)

- Recreated 1981 Frogger game using ARM assembly, C, Tiva TM4C123GH6PM, & external push buttons
- Timers, Interrupts, UART

Project Safe (C)

- Develop code for a 6-bit binary password safe
- Utilized ATTINY85 Microcontroller, push buttons, resistors, and LEDs

Hot Potato Game (Arduino)

- Built a "Hot Potato Game" with Adafruit Metro M0 Express, LEDs, Buttons, & Arduino
- Utilized Master & Slave concept with I2C

Solitaire (Java & JavaFX)

- Created a functional interface consisting of three card games: Ace's up, Baker's Dozen, & FreeCell
- Learned to code a project as a team, delegate roles, & standard computer science professionalism skills (Javadoc, GitHub, etc.)

Personal Website (HTML & CSS) <https://bryanamoy.github.io/index.html>

- Created my personal website exploring visual and functional web design
- Text box, color, hyperlinks

EXPERIENCE

University at Buffalo IT Position

Present

CIT Public Sites Consultant

- Assist students and faculty on technological problems
- Manage printing stations
- Practiced problem solving and customer service skills

SKILLS & INTERESTS

- Computer Languages: C++, C, Java, Python, JavaScript, Arduino, ARM, MIPS Assembly, Reactjs, Nodejs, JS, Solidity
- Microsoft Office Applications
- Communication: Year-round Community Service for Asian American Youth Center: Manager of teenage volunteers
- University at Buffalo Association for Computing Machinery & Hong Kong Student Association
- University at Buffalo's 2016, 2017, 2018 Hackathon

AWARDS AND ACKNOWLEDGEMENTS

- The National Academy of Future Scientists and Technologists
- National Honor Society