

Sunny Zuo

✉ me@sunnyzuo.com | 🌐 sunny-zuo | 🔗 sunnyzuo.com

Skills

Languages: JavaScript, TypeScript, Java, Python, C++, ActionScript 3, HTML, CSS

Technologies: Node.js, React.js, React Native, MongoDB, Express, socket.io, Angular, Flash, Adobe AIR

Experience

ECSSEN Career School

Calgary, AB

SOFTWARE DEVELOPER

July 2020 – Present

- Built and deployed DeFi smart contracts written in C++ for EOSIO blockchains
- Designed and developed a frontend to allow users to interact with the smart contracts using React.js, eosjs and scatterjs

YYC Science Bowl

Calgary, AB

DIRECTOR OF TECHNOLOGY

May 2019 – Aug 2020

- Designed and built website to reach interested participants, increasing the number of competitors by over 30%
- Created custom web-based buzzer solution for competition use utilizing Angular, Node.js, Express and socket.io
- Led and managed all technical aspects of running the competition

University of Calgary

Calgary, AB

ASSISTANT INSTRUCTOR

Aug 2018, Aug 2019

- Assisted students with designing, building and debugging software built using ActionScript 3.0 and JavaScript
- Created and taught lesson on building multiplayer games utilizing websockets
- Received 100% positive feedback from instructors and students

Projects

Sir Goose Bot

Node.js, Discord.js, MongoDB

DISCORD BOT THAT INTEGRATES WITH UWATERLOO'S LDAP (LIGHTWEIGHT DIRECTORY ACCESS PROTOCOL) TO PROVIDE AN AUTHORIZATION LAYER ON DISCORD FOR 600+ USERS. THE BOT LINKS A DISCORD USER TO THEIR UWATERLOO IDENTITY AND ASSIGNS ROLES/PERMISSIONS BASED ON THEIR PROGRAM

github.com/sunny-zuo/sir-goose-bot

BetterVOTE

React Native, Node.js, Express, MongoDB

MOBILE APP ALLOWING ORGANIZATIONS TO EASILY AND SECURELY CONDUCT VOTES, REFERENDUMS AND PLEBISCITES TO DEMOCRATICALLY MAKE DECISIONS

github.com/sunny-zuo/better-vote

CTF Writeups

Python, JavaScript

WRITEUPS FOR VARIOUS CYBERSECURITY/INFOSEC CTF (CAPTURE THE FLAG) EVENT CHALLENGES, PRIMARILY CENTERED AROUND SKILLS SUCH AS XSS ATTACKS, SQL INJECTIONS AND SCRIPTING TO SOLVE CHALLENGES

sunnyzuo.com/ctf-writeups

Awards

Sep 2020 **President's Scholarship of Distinction**

University of Waterloo

Mar 2020

Think Award & Invitation to World Championship

The Think Award is awarded to the team with the most effective and innovative use of programming. Received for our use of big data to analyze and predict match outcomes based on historical trends to determine the optimal strategy for our matches

VEX Robotics

Education

University of Waterloo

Waterloo, ON

CANDIDATE FOR BACHELOR OF SOFTWARE ENGINEERING (BSE)

2020 – 2025