Sunny **Zuo**

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Skills

Languages: JavaScript, TypeScript, Java, Python, C++, ActionScript 3
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 contacts 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% YOY
- 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 *github.com/sunny-zuo/sir-goose-bot*
UWATERLOO IDENTITY AND ASSIGNS ROLES/PERMISSIONS BASED ON THEIR PROGRAM

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*