Brandon Tran

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EDUCATION

College of Science and Engineering, University of Minnesota - Twin Cities   **Graduated**: Dec. 2022
Major: **Bachelor of Science in Computer Science**   **GPA**: 3.88
Minor: Mathematics
Coursework: Algorithms & Data Structures, Machine Learning Fundamentals, Machine Architecture and Organization, Program Design & Development, Internet Programming, Practice of Database Systems

PROJECTS

Portfolio of Interactive Computer Graphics and Games - *Link*
Drone Search and Rescue, Program Design & Development Project - Docker Link
- Designed and built a simulated drone system using agile methodology with other team members
- Developed features such as an image processor which is used to detect and locate a robot given images from the drone's camera
- Utilized design patterns which include Adapter, Factory, and Composite patterns
- Written in C++ and utilized Google Unit Testing

Contact Organizer Website, Internet Programming Project
- Built a website that organizes contacts from user entries and was hosted on AWS
- Utilized MySQL databases to store contacts and login information
- Written in HTML5, CSS, Javascript, JQuery, and XML

PROFESSIONAL EXPERIENCE

Health Sciences Student Tech Support Services - September 2021 - September 2022
University of Minnesota - Twin Cities, Minneapolis, MN
- Performing maintenance and troubleshooting University AV network systems
- Setting up and aiding lectures that use Zoom room from multiple campuses
- Automated classroom scheduling on google calendars using javascript

Infrastructure Student Tech Support - August 2020 - January 2021
College of Science and Engineering, University of Minnesota - Twin Cities, Minneapolis, MN
- Assisted CSE-IT infrastructure team in performing system software installations and maintaining hundreds of lab machines using ubuntu linux
- Created script to block and warn students from using incompatible software that would crash their virtual machine session
- Aided system administrators in installing applications, hardware, and software on lab machines
- Diagnosed and solved system problems that users had such as backing up and restoring system user files

SKILLS

Programming Languages: Java, C, C++, Python, Ocaml, Assembly, HTML 5, CSS, JavaScript, JQuery, Typescript
Software: Puppet, MySQL, PostgreSQL, GitHub, VSCode, Docker, MATLAB, Mathematica, Microsoft Word, Excel