Jonathan Trans

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EDUCATION

University of California, Davis   **Davis, CA**
Undergraduate - Bachelor's of Science (B.S) in Computer Science   *Graduation Date: June 2022*
- Cumulative GPA: 3.52 | Davis Computer Science Club Member
- **Notable Coursework:** Discrete Math, Introduction to Programming in Python, Data Structures in Python, Programming & Problem Solving in C, Software Development & Object-Oriented Programming in C++, Data Structures, Algorithms, & Programming in C++, Computer Organization & Machine-Dependent Programming in x86 Assembly in C, Linear Algebra

TECHNICAL SKILLS

Languages: C++   Python   C   C#   JavaScript   Java   Objective-C   Bash Scripting   Matlab   PHP
Frameworks: HTML/CSS   Django   Maven   Hadoop
Databases | Tools: UNIX/Linux   Git   Vim   MySQL   Unity   MongoDB   jQuery   XML   React.js

SOFTWARE PROJECTS

Interactive, 2 Dimensional Game   **Davis, CA**
Linux *Environment in C language |* ***Bash Scripting***   *April 2020 - June 2020*
- Developed and created an interactive **C file**, a child-friendly game that is closely parallel to a free-roaming MMO game. The user will be able to collect items, orbs to enter power mode, and then to defeat the enemies on the 2-D board. The game has a folder of three listed text files that determine the different fields
- Developed functions in **Visual Studio Code** while **SSH** to university's **Linux** PC and continuous debug
- Variation of gameplay, free from memory-leaks, and was submitted to UC Davis, CS Department

Interactive Calendar   **Davis, CA**
Linux *Environment in C and* ***Python*** *language |* ***Bash Scripting***   *July 2020 - November 2020*
- Exhibited ownership of my work with well-organized, detailed code with strong written skills
- Developed a calendar in a **C** and **py file** that can determine how many days in a year, leap years, seasons
- Presented excellent analytical and problem-solving skills in a team-based environment to UC Davis Professor while emphasizing the importance to grow, learn, and explore new things and tough situations

Creating Chess   **Davis, CA**
Linux *Environment in C and* ***Python*** *language |* ***Bash Scripting***   *November 2020 - January 2021*
- Exhibited ownership of my work with well-organized, detailed code with strong written skills
- Developed a calendar in a **C** and **py file** that can determine how many days in a year, leap years, seasons
- Presented excellent analytical and problem-solving skills in a team-based environment to UC Davis Professor while

SacHacks Hackathon - "Mask Or Die" Game Development   **Sacramento, CA [Remote]**
Unity3D *Environment in C# for* ***object-orientated*** *Programming*   *February 2021 - February 2021*
- Developed Unity 3-D Models with blender and animated them with C# code; utilized Google Cloud and Domain registered by Domain.com to host and allow for group collaboration via remote for the game development
- Leading game development alongside three random group members and created a first-person, mask shooting game as a non-profit PPE for the Sacramento community in order to raise awareness of COVID-19 cases

WORK & LEADERSHIP EXPERIENCE

Python Code Camp Instructor   **San Jose, CA**
Volunteer Coding Instructor for Catholic Community   July *2018 - Present*
- Maintained excellent communication with students who want to bring out their creativity through coding in Python
- Engaged with organizers and other instructors to utilize an efficient training course for students with, and without, coding experience through **K-12** grade levels
- Formulated ideas and strategies to Catholic Youth Group members on how to provide an operating system with **Python** programming capabilities for students to use

IT Customer Support Representative Intern   **Fremont, CA**
A Plus Heating and Air Conditioning   *June 2017 - December 2019*
- Generated financial reports in **Quickbook** and performed financial analysis on sales by product and inventory orders, as well as installed anti-virus programs, custom fonts, and updates to reduce cyber risk
- Performed an **OS re-installation** of Windows 7 and putting together orders with support package or installers and presentation packages for management
- Troubleshoot and resolved slow computer issues by uninstalling hazardous bloatware and other unwanted programs and other Adhoc projects; motivated and passionate to find defects and innovate the product