

# Cade Duncan

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## EDUCATION

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### Clovis Community College

Fresno, CA

*Associates of Science in Computer Science*

*July 2020 – May 2023*

- Dean's List; 3.8/4.0 GPA
- Relevant coursework: Data Structures, Algorithms, Object-Oriented Programming, Machine Programming

### NASA L'Space Mission Concept Academy

Remote

*Certificate of Completion*

*May 2022 – Sep. 2022*

- Collaborated within a multidisciplinary team to design and develop a Martian cave exploration mission.
- Contributed extensively to the research, analysis, and writing of a comprehensive 150+ page Preliminary Design Review (PDR), showcasing expertise in mission planning, scientific investigation, and engineering principles.

## TECHNICAL SKILLS

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**Languages:** Python, C++, JavaScript

**Developer Tools:** GitHub, Google Cloud Platform, UNIX, Visual Studio, Unreal Engine

**Libraries:** jQuery, SFML, DiscordPy, SMAPI

## PROJECTS

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### Portfolio Website | *JavaScript, jQuery, GitHub Pages, Google Domains*

- Developed and deployed a professional-grade website showcasing a diverse range of projects, employing HTML/CSS, JavaScript, and jQuery to create dynamic and interactive features.
- Leveraged GitHub Pages and Google Domains to publish the website under a custom domain name, ensuring seamless accessibility and professional branding.
- Continuously update and refine the website to showcase the latest projects and demonstrate technical proficiency in web development.

### Stardew Valley Mods | *C#, SMAPI*

- Created highly sought-after mods for Stardew Valley, amassing a user base of over 20K downloads on the Nexus Mods platform.
- Implemented innovative features and functionalities, leveraging C# and SMAPI framework to enhance gameplay and provide a unique gaming experience.
- Proactively addressed user feedback, rapidly releasing bug fixes and updates to ensure a seamless and enjoyable modding experience.

### Stingbot | *Python, DiscordPy, Google Cloud Platform*

- Developed an advanced Discord bot, utilizing Python, DiscordPy, and Google Cloud Platform, to incentivize user activity and provide comprehensive user statistics.
- Ensured maximum uptime and data accuracy by hosting the bot on Google Cloud Platform, employing scalable and reliable infrastructure.
- Iteratively improved the bot's functionality, efficiency, and user experience through continuous updates and bug fixes.

## EXPERIENCE

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### Tutor (Team Lead)

Jan. 2022 – May 2023

*Clovis Community College*

*Fresno, CA*

- Mentored and guided students to develop critical thinking and problem-solving skills in diverse subjects including Computer Science, Information Systems, Math, Physics, Biology, Chemistry, and more.
- Conducted comprehensive assessments of students' programming skills, providing detailed feedback and targeted guidance for improvement.
- Managed hundreds of student visits per day, demonstrating exceptional organizational and multitasking abilities.
- Collaborated with professors to design and deliver engaging learning materials, boosting students' confidence and proficiency in Computer Science topics.
- Streamlined team responsibilities, goals, and communication channels, resulting in improved efficiency and effectiveness of the Tutorial Center.