JONATHAN SINWELL

SOFTWARE ENGINEERING INTERN

CONTACT

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CAREER SUMMARY

Highly dedicated and tech-savvy candidate equipped with a Bachelor of Science degree in computer science with a high grade. Hands-on expertise in software design & development, data warehouse solutions, technical & operational support, programming & testing, system integration & migration, and technical & non-technical documentation. Demonstrated ability to collaborate with software engineers, while developing and maintaining an environment of trust and confidence during execution of multiple tasks. Excellent interpersonal and written/verbal communication skills; distinctive ability to build relationships with clients and colleagues. Competent to work with all levels of management to bring innovative ideas into action. Possess technical proficiencies in C++, C, Python, Java, Excel, HTML, CSS, Bootstrap, NumPy, MySQL, and Unity3D.

EDUCATION

BACHELOR OF SCIENCE
in Computer Science

University of Southern California,
Los Angeles, CA
May, 2024

- *Member of Mixed SC, a community for multicultural students*
- *Member of Association for Computing Machinery (USC ACM)*

KEY PROJECTS

SATELLITE TRACKER // *Jan 2022 - Present*

- Actively working on a website that records the location of thousands of satellites based on two-line element (TLE) data supplied by CeleStrak/NORAD.
- Satellite propagation is estimated using satellite-js, and point entities are generated using CesiumJS.
- Gained the knowledge of fundamentals of HTML, JavaScript, Node.js, and APIs.

UNITY GAME DEVELOPMENT // *Aug 2021 - Present*

- Creating a competitive side-scroller game operating 2D sprites and 3D backdrop graphics with the Unity3D Engine.

RELEVANT COURSEWORK

- **Principles of Software Development***, Jan 2022 - Present*
- **Data Structures and Object-Oriented Design***, Aug 2021 - Dec 2021*
- **Linear Algebra and Linear Differential Equations***, Aug 2021 Dec 2021*
- **Introduction to Embedded Systems***, Jan. 2021 - May 2021*
- **Discrete Methods in Computer Science***, Aug 2020 - Dec 2020*

INTERNSHIP EXPERIENCE

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Genesis Creations LLC, Pasadena, CA **//** *June 2021 - Aug 2021*

- Participated in the creation of software by providing assistance to project engineers.
- Researched, investigated, and fixed a wide range of technical issues.
- Supported in software verification plans and quality assurance procedures development.

INTERN
Manulife, Seattle, WA **//** *June 2019 - July 2019*

- Provided project management and internal analysis assistance to the financial department.
- Drafted and presented presentations to executives regarding agile internal initiatives related to digitization and technology.