

# Joshua Gomes

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## EDUCATION

University of California, Irvine - Irvine, CA  
**Bachelor of Science in Computer Science**  
GPA: 3.87

June 2022

## TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, HTML5, CSS3
- **Technologies/Databases:** NodeJS, SQL, Pandas
- **Tools/Systems:** Unix, Shell Scripting, Git

## WORK EXPERIENCE

**Data Engineering Intern | Affinity Solutions**, San Jose, CA Aug. 2020–Present

- Developed, built and deployed framework to ensure DSAR CCPA compliance to the Identity Engine handling over 15 million records for the entire organization
- Automated report delivery to clients including picking up query responses and generating excel documents using Python. This design saved hours of manual work weekly generating multiple reports for customers

## PROJECTS

**Genome Explorer** - Data Structures in C++

- Built a program to reference a data set of 10,000 genomes to create a reference De Novo genome
- Utilized 3 different data structures to access data to display different results based on queries
- Link - <https://github.com/codewitty/FinalProject>

**Python Projects** - Python

- Leveraged Pandas and MySQL for data analysis
- Constructed a Population Web Map and a personal website with Python
- Performed Image and Video Processing using OpenCV-Python
- Link - <https://github.com/codewitty/Python-Projects>

**Libft** - C

- Implemented a C library of over 50 standard and special functions using MakeFile in a peer-learning environment
- Link - <https://github.com/codewitty/Cadet/tree/master/libft>

## EXTRACURRICULARS AND LEADERSHIP

**Inter-Club Council Secretary**, De Anza College, Cupertino, CA Jan. 2019–Aug 2020

- Liaison between the De Anza Student Body and the Inter Club Council to ensure clubs had sufficient funding for planned activities. Clubs held 146 events during 2020 year, a 45% increase from the previous year.
- Supported the Inter-Club Council Advisor to ensure clubs adhere to College requirements. Total club count grew from 55 to 88 from 2019 to 2020.
- Collaborated with the ICC Officers to plan and execute College-wide events to drive student engagement and enrich college life such as Club Day, Spring Carnival, Fall Mixer etc.
- Pioneered a peer mentorship program for college students together with the ICC Officers

## COMMUNITY SERVICE EXPERIENCE

**OTI Volunteer**, De Anza College, Cupertino, CA Oct. 2018–Dec 2018

- Contributed to the setup and minor repairs of refurbished laptops donated to students in need
- Facilitated several new relationships with vendors and companies to procure used machines
- The team built and delivered a record 315 computers in Q4 2018

## INTERESTS

- AI / Machine Learning
- Cybersecurity
- Full Stack Development
- Distributed Systems
- Soccer
- Photography