

# STEVEN GOV

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## EDUCATION:

**UC San Diego** - Bachelor of Science Degree in Computer Engineering

Expected: JUN 2022

Relevant Courses: Advanced Data Structures, Design and Analysis of Algorithms, Software Tools & Techniques Lab, Computer Organization and Systems Programming, Components & Circuits Laboratory, Introduction to Data Science

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## EXPERIENCES:

**Software Engineering Intern @ Skinalytics** - Remote

JUN 2020 - PRESENT

- Used **Elasticsearch** to add a keyword search that allows users to search over 5000+ products within database, allowing flexibility and ease with searching
- Wrote integration tests and created **Python** scripts that indexed **DynamoDB** tables onto **Elasticsearch** to easily test backend functionalities such as searching for products, reviews, and users
- Collaborated with group of interns to debug and prepare the application within 3 months for public release in September 2020, making it available to all Android users for usage
- Currently using **REST APIs** and **Elasticsearch** to implement a **privacy model** that enables users to adjust their privacy preferences for their posts/reviews

**Instructor/Tutor @ inGenius** - San Diego, CA

JUN 2019 - MAR 2020

- Lead various **coding** and **robotics** classes at summer camp to approximately 350 students to enrich their passion for STEM
  - Produced week-long lesson plans and exercises for all involved classes, such as Introduction to **Java**, Ozobot Evos, LEGO Mindstorms EV3, and MIT Mobile App Inventor
  - Lead **introductory Java** and **USACO** workshops containing approximately 20 6th-12th grade students during school year
  - Responsible for ensuring safety of over 200 students by providing supervision during class intervals and lunch periods
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## PROJECTS:

**Triton Robosub @ UC San Diego**

DEC 2018 - DEC 2019

- Helped construct a completely **autonomous robotic submarine** by designing **state machine** that integrated input from sensors to give autonomous commands, such as searching, collecting, and interacting with various objects underwater
- Labeled over 15,000 images to train computer module to detect gate with over 85% confidence rate, qualifying for semi-finals

**Bluepark @ H.A.R.D. Hacks** - 2nd Place Award

JAN 2019

- Created a parking-system mobile application connected via **Bluetooth** to improve UCSD parking using **Node.js** and **Swift**
- Set up **Raspberry Pi** and **Bluetooth** for mobile connectivity from phone to Raspberry Pi for simple parking authentication

**Matrices, Individual Project**

MAR 2020

- Wrote a **C++** application that performs matrix multiplication and transposition on the command-line
  - Used **Meson** and **Ninja** to build project while writing **unit tests** for basic testing, making it easier to run and test program
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## LEADERSHIP:

**Retail Associate @ Sunny Donut** - Whittier, CA

JUN 2014 - PRESENT

- Working at **family business** to assist parents with managing the shop, taking initiative by operating early morning shifts
- Responsible for ensuring **restaurant hygiene**, maintaining **high customer satisfaction**, and **baking donuts** during high-volume and fast-paced operations

**Office Assistant @ MyLegalDepot & Central DBA** - Rosemead, CA

JUN 2020 - PRESENT

- Assisting **family business** by providing phone service to assist customers with filing their **DBAs** with the county-recorders office
  - Working as an **accountant** by billing clients for their legal document submissions and was responsible for returning the originals to their possession
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## SKILLS AND ACTIVITIES:

Programming Languages: Java, Python, C/C++, ARM, HTML, CSS, JavaScript

Applications: Elasticsearch, Amazon AWS, Linux, Node.js, REST APIs, Raspberry Pi

Interests: CS Education, Artificial Intelligence/Machine Learning, Robotics, Cyber-security, Space Exploration

Hobbies: Designing/Repairing/Crafting, Community Service, Reading, Running, Cooking, Coffee