

-
- 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
- EXPERIENCES:** **Skinalytics**, Remote - *Software Engineering Intern* *JUN 2020 - PRESENT*
- Used **Elasticsearch** to add a keyword search that allows users to search over 4000+ products within **DynamoDB** 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
 - Currently using **REST APIs** and **Elasticsearch** to implement a **privacy model** that allows users to adjust their privacy preferences for their posts/reviews
 - Collaborated with group of interns to **debug** and prepare the application for release in Sep. 2020
- inGenius**, San Diego, CA - *Instructor/Tutor* *JUN 2019 - MAR 2020*
- Lead various **coding** and **robotics** classes offered at summer camp to approximately 350 students
 - Produced week-long lesson plans and examples 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
- PROJETS:** **Triton Robosub**, UC San Diego *DEC 2018 - DEC 2019*
- Construct a completely **autonomous robotic submarine** that can complete underwater challenges such as searching, collecting, and interacting with various objects
 - Designed **state machine** and integrated input from sensors to give the robot autonomous commands
 - Labeled over 15,000 images to train computer module to detect gate with over 85% confidence rate
- Bluepark**, H.A.R.D. Hacks Runner Up *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** functionalities for mobile connectivity from phone to Rasp. Pi
- Matrices**, Individual Project
- Wrote a **C++** command-line application that performs matrix multiplication and transposition
 - Used **Meson** and **Ninja** to build the project while writing unit tests for basic testing
- LEADERSHIP:** **Sunny Donut**, Whittier, CA - *Retail Associate* *JUN 2014 - PRESENT*
- Working at **family business** whenever possible to assist parents with managing the shop
 - Responsible for restaurant hygiene, maintaining high customer satisfaction, and baking donuts
 - Typically worked early weekend mornings to manage the shop, allowing parents to rest
- MyLegalDepot & Central DBA**, Rosemead, CA - *Office Assistant* *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
- SKILLS:** Programming Languages: Java, Python, C/C++, ARM, HTML, CSS, JavaScript
Applications: Elasticsearch, Amazon AWS, Linux, Node.js, Autodesk Inventor, MySQL, Raspberry Pi