

BRIAN LUCERO

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TECHNICAL SKILLS

- **Programming Languages:** C++ | C | Python | Swift | R | SQL | JavaScript | HTML | CSS
- **Software Frameworks:** VS Code | XCode | Git | GitHub | RStudio | MySQL | Node.js | React.js
- **Operating Systems:** Windows | macOS | Linux | Raspberry Pi OS | Arduino
- **Other Relevant Skills:** Agile Methodologies | Visual Paradigm | Microsoft Office

PROFESSIONAL EXPERIENCE

AWS SOFTWARE DEVELOPMENT BOOTCAMP | REMOTE AUG. 2022 – NOV. 2022

Software Development Engineer

- Shadowed senior-level AWS engineers and completed projects to advance skills within their development tech stack
- Received full-time offer to join the AWS apprenticeship program in Seattle, WA

PRIVATE TUTORING SERVICES | LOS ANGELES, CA JAN. 2017 – PRESENT

Tutor

- Build relationships with clients to identifying needs and resolve issues.
- Provided one on one tutoring sessions with high school and college level students.

BYTES AND BOTS | IRVINE, CA JAN. 2020 – JUL. 2020

Lab Assistant

- Designed over 350+ lessons to educate on topics such as Arduino, Raspberry Pi, Python, C++, Robotics, and Electronics at the Bytes and Bots Laboratory, Ross, Ponderosa and Stoddard schools.
- Boosted client engagement with online marketing campaign content by 40%, and collaborated with CEO to develop a more SEO compliant webpage design

PROJECT EXPERIENCE

CRAB AGE PREDICTION | MACHINE LEARNING FEB. 2022 – PRESENT

- Designed a Machine Learning Prediction System to predict the age of blue crabs and utilized the Pandas/SciKit open-source Python libraries to implement a Multiple Linear Regression Model
- Achieved 20% higher accuracy of age prediction using latest iteration of the prediction system design
- Conducted several instances of performance metric analysis on the ML models and summarized the results into a research paper & video presentation

TUNEFORK | SOFTWARE PROCESS JAN. 2022 – MAY 2022

- Deployed a live website to present a music streaming service and content creation platform, TuneFork
- Compiled a detailed list of methodologies to define TuneFork's Software Development Process which include the Agile, DevOps, and Software Reliability Engineering (SRE) frameworks

UFC BETS DISCORD BOT | OPEN-SOURCE SYSTEMS JAN. 2022 – MAY 2022

- Developed a bot feature in JavaScript, allowing the user to choose different betting styles based on UFC match odds
- Integrated a suite of automated unit tests to ensure proper loading of data requests from API and Bot UI
- Documented several sections of concept integration, development process, setup & installation, external requirements, and features

KEY ACCOMPLISHMENTS

- **Dean's List**, College of Engineering and Computer Science

EDUCATION & TRAINING

Bachelor of Science, Computer Science, California State University, Fullerton (2022)

LinkedIn Learning Course Certificate, Technical Writing: Quick Start Guides (2022)

PROFESSIONAL ORGANIZATIONS & VOLUNTEERISM

- Society of Hispanic Professional Engineers (**SHPE**) | April 2021 – Present
- Association for Computing Machinery (**ACM**) | August 2018 – Present
- Institute of Electrical and Electronics Engineers (**IEEE**) | August 2017 – Present
- Pi Kappa Alpha Fraternity (**PIKE**) | January 2018 – Present