

Ernest Viola

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OBJECTIVE

My current goal is to develop my software engineering career and to become an influential member within my field. In the future I want to leverage machine learning in my application development

EXPERIENCE

Volunteer at TEALSk12

July 2018 - Present

- Explain Java principals to teacher and students to improve understanding.
- Guide students in the classroom to critically think through programming errors.

Junior Programmer at BP Solutions, Inc.

June 2017 – August 2017

- Maintained and improved one client's website, extensively working on their database and REST API.
- Built one client's website from the ground up which was hosted on AWS.

Co-founder and Secretary of Aztec Developers

November 2016 – May 2017

- Established club bylaws in preparation for club creation including application submission for club creation.
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PROJECTS

Personal Website

August 2018 – Present

- *Current work in progress*
- Goal: Develop a low-cost blogging website using Amazon Web Services by hosting the backend in a serverless environment. The stack uses DynamoDB, S3, and lambda and is connected through API Gateway.

Radio Listener

March 2018 – April 2018

- Wrote a Python application to use Google's Speech API in order to listen for keywords over the radio in real-time. This was used in conjunction with Twilio's API in order to let users know if their name was called on the radio.

Shell Similar to Bash

November 2017 – December 2017

- A shell made in C to be implemented in a terminal, this was a learning assignment that was used to teach multiprocessing.

Playerknown's Battleskies

November 2017 – December 2017

- A 3D rail shooter game made for a 3D Game Programming class using Unity.
 - Personally, developed the asteroid logic.
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EDUCATION

Bachelor of Science in Computer Science

December 2017

San Diego State University, San Diego, CA **Major GPA:** 3.33

Relevant Courses: Scientific Database Techniques, Wireless Networks, Computer Programming, Data Structures, Algorithms & Their Analysis

SKILLS

Java, Javascript, Python, C, C++ HTML, CSS, PHP, SQL, NoSQL, Linux, Amazon Web Services