

# Ernest Viola Software Developer

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## EDUCATION

**Bachelor's in Science in Computer Science** Dec 2017

San Diego State University, San Diego, CA

**Relevant Courses:** Scientific Database Techniques, Data Structures, Algorithms & Their Analysis, Computer Programming, 3D Game Programming, Operating Systems, Automata Theory.

## SKILLS

**Languages:** (proficient): Java, JavaScript (familiar): C, C++, Python, SQL, NoSQL, HTML, CSS

**Other:** (proficient) Git, Linux, Terminal (familiar): AWS Lambda, S3, API Gateway

## EXPERIENCE

**Junior Programmer at BP Solutions, Inc.**

June 2017 – August 2017

San Diego, CA

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

## LEADERSHIP ACTIVITIES

**Teaching Aide at TEALSk12** (Computer Science in Every High School)

July 2018 – Present

- Explain Java principals to teacher and students to improve understanding.
- Guide students in the classroom to critically think through programming errors.
- Tutor students after school to reinforce and clarify lessons.

**Co-founder and Secretary of Aztec Developers**

Fall 2016 – May 2017

- Founded an on-campus organization to encourage students to work on personal projects and network with fellow developers.
- As the secretary I helped established club bylaws and helped with scheduling as well as paper work and filing.

## Projects

**Radio Listener** Python/Google API/ Twilio API

- Used Google's Speech API to recognize keywords that were transmitted over radio in real-time.

**Shell c**

- Created a shell similar to Bash which was written in C for an **Operating Systems** class.

**PlayerKnown's Battleskies** Unity/C#/GIT

- Created a 3D rail shooter game for a **Game Programming** class using Unity.

**Personal Website** JavaScript/CSS/HTML

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

## CHARACTERISTICS

- A **team-player** who's communicative and constantly finds opportunities to push the group forward
- Is **resourceful** and is always looking for new solutions
- A **self-starter** who continuously looks for new learning opportunities to work with interesting technologies
- Has great **time-management** skills