

# Cesar Lopez-Andrade

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## EDUCATION

### University of California, Davis

*Bachelor of Science (BS) - Computer Science*

Davis, CA

Sep. 2021 – Jun. 2024

### Santa Rosa Junior College

*Associates of Science (AS) - Full-Stack Web and Mobile Development*

Santa Rosa, CA

Jan. 2022 – Dec. 2023

## WORK EXPERIENCE

### Web Programmer - Unitrans

Jun. 2022 – Present

*University of California, Davis*

*Davis, CA*

- Migrated the Unitrans public website from Dell servers to Amazon Web Services (AWS) ECS2 instance to improve website performance for 40,000 daily riders in Davis and to prevent frequent crashes due to disk space issues.
- Created documentation for SSH protocols and virtual environment set up to streamline onboarding process for new Web Programmers.
- Managed both Unitrans public website and employee website databases via PostgreSQL.
- Fixed bugs and developed new features for improved user experience via Django framework.
- Incorporated best accessibility practices to ensure the Unitrans public website met ADA compliance.
- Led the upgrade of the employee website through extensive version control via Git. Upgrades resulted in improved user experience, web security, and overall website performance.
- Created a docker container for the employee website to streamline development setup for new web programmers.
- Configured firewall and installed critical software on Windows OS computers.

### Software Engineer Intern - OneBusAway

Nov. 2023 – Present

*University of California, Davis*

*Davis, CA*

- Researched and applied findings to help run the real-time transit software, OneBusAway (OBA), in a Docker container to help facilitate an easier transit experience for Unitrans's 40,000 daily riders.
- Modified OBA Docker image to run without root privileges to improve security for transit agencies.
- Added multi-database support to OBA Docker image so that users of the container can run it with either PostgreSQL or MySQL.
- Projected to deploy OneBusAway's Docker Instance on Azure to help facilitate an easier transit experience for Unitrans' riders.

### Web Developer - The Tulip Girls

Jan. 2024 – May 2024

*Contract*

*Santa Rosa, CA*

- Developed Information Architecture for the website.
- Developed website utilizing WordPress CMS with PHP, JavaScript, HTML, and CSS.
- Led a team of developers in the content management and structure of the website.
- Contributed to the creation of documentation for managing the website.
- Communicated with the client on a regular basis to ensure the website in development aligned with their expectations.
- Successfully migrated the website once development concluded.

### IT Web Programmer - ASUCD

Jun. 2023 – Sep. 2023

*University of California, Davis*

*Davis, CA*

- Worked with Active Directory to set up new computers for various departments for ASUCD.
- Managed Amazon Web Services (AWS) EC2 instances for various websites under ASUCD.
- Created a development website for Unitrans public website using the Linux, NGINX, MySQL, and PHP (LEMP) stack.
- Configured and installed computers for various departments within ASUCD.
- Created documentation for computer configuration and installation.

### Web Developer - Redemption House of the Bay Area

Jan. 2022 – Jun. 2022

*Contract*

*Santa Rosa, CA*

- Worked with development team to help revamp website architecture
- Contributed to the UI/UX Design of the entire website.
- Led the team on content management/structure of the website.
- Contributed to the creation of documentation for managing the website.

## TECHNICAL SKILLS

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**Languages:** Python, C, C++, SQL (PostgreSQL), JavaScript, Java, PHP, Perl, R

**Frameworks/Libraries:** Django, React.js, Node.js, Next.js, GraphQL, Prisma

**Developer Tools:** Linux, Git, Docker, Amazon Web Services (AWS), WordPress CMS, Drupal CMS