

Anh Nguyen

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EXPERIENCE

- **Teaching Assistant** San Diego, CA
San Diego State University *August 2021 - Present*
 - **Lecturing:** Teaches two breakout sections of Calculus I that meet twice a week.
 - **Grading:** Grades Quizzes and Exams.
 - **Office Hour:** Holds two 2-hour weekly Office Hour sessions to help students with their questions.
- **IT Specialist** Irvine, CA
Westcliff University *July 2018 - July 2021*
 - **Salesforce:** Developed an Integration framework and business automation to keep track of all data entered into Salesforce.
 - **Jotform:** Built variety of forms and integration to send submissions to different platforms.
 - **Zendesk:** Configured triggers, automation and generated reports using SQL. Performed data visualization using Tableau.
 - **Active Directory:** Integrated Active Directory with the SAML Identity Provider to provide Single Sign On.
 - **Data Integration:** Planned, designed, and implemented API and Webhook integration processes to allow applications to send and receive data automatically. Scripts were built using Python and Google App Scripts.

EDUCATION

- **San Diego State University** San Diego, CA
Master of Science in Applied Mathematics *August 2021 - December 2023*
- **California State Polytechnic University, Pomona** Pomona, CA
Bachelor of Science in Applied Mathematics/Statistics; GPA: 3.39 *August 2016 - June 2018*
- **Chabot College** Hayward, CA
Major: Mathematics *August 2013 - May 2016*

PROJECTS AND RESEARCH

- **Advanced MPI 2D Decomposition:** Created a robust algorithm to approximate the solution to a linear system of equations using MPI as the parallel computing method.
- **Zoom and Google Sheet Integration:** The API integration helps users create multiple Zoom meetings on a Google Sheet.
- **Robot Path Planning:** Conducted research that formulated a robot path planning problem as an integer linear programming problem and tried to find the optimal paths for the robots, where we focused on minimizing the target cell entropy within a given region.
- **Kalman Filter:** Performed an Adaptive Kalman Filter with a given model and matrices using C++.

PROGRAMMING SKILLS

- **Operating Systems:** Linux, Windows
- **Languages:** Python, C/C++, R, SQL, Google App Script, Apex Salesforce
- **Typesetting Document:** Latex