

Gregory Sanchez

<https://gregsanchez.info/>

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EDUCATION

- **Oregon Statue University** Corvallis, OR
Bachelor of Science in Computer Science; Cumulative GPA: 3.85 *Graduation: June 2020*

EXPERIENCE

- **Monrovia Nursery** Dayton, OR
IT System Administrator *March 2022 - Present*
 - Maintain essential IT operations, including operating systems, security tools, applications, servers, email systems, laptops, desktops, software, and hardware.
 - Own projects, solutions, and key responsibilities within a larger business initiative.
 - Handle business-critical IT tasks and systems that provide commercial advantage in a global marketplace.
 - Enable faster and smarter business processes and implement analytics for meaningful insights.
 - Nurture dependable IT infrastructure and networking that's always up and running.
 - Partner with internal and external partners to communicate project status, activities, and achievements.
 - Serve as the first point of contact for co-workers and customers seeking technical assistance over the phone, email and remote access.
- **Siemens EDA** Wilsonville, OR
Software Developer MECOP Intern *April - September 2019*
 - Worked with the Calibre nmOPC (Nanometer Optical Proximity Correction) team. Calibre being a design rule checker.
 - Converted many csh, bash and Perl scripts into Python to improve usability and efficiency.
 - Created a full stack internal use Python CGI web platform (complete with Bootstrap and DataTables) so users can easily query for a services' information and display the queried information in a table or csv file. Data included hundreds of rows and tens of columns.
 - Remotely worked with other teams in different locations such as Fremont, CA and Moscow, Russia. Added many features and improvements to their Python based web and terminal platform.

PROJECTS

- **Bloons Tower Defense 6 Video Game Website** 2021-2022
 - Tier List website for Bloons TD 6 that also includes ground breaking information about the game that is not easily supplied by the game itself.
 - Created a full stack serverless web application developed with Next.js.
 - Complete with Material UI, Emotion Styled Components, Redux state, an open access GraphQL API endpoint, MySQL database backend, Google Analytics 4.
 - Accessible at <https://bloons.gg/>.
- **Object Detecting Research Vessel** Fall/Winter/Spring 2020
 - Senior project team of five tasked to create an object detection algorithm for ocean research vessels. Worked in three different phases within the school year: research, design, implement/test.
 - Researched many object detection algorithms to settle with OpenCV using Python 3.
 - Designed an algorithm to manipulate and transform an input photo given the vessel's inertial measurements.
 - Implemented a working version that was placed on a research vessel with an Intel Nuc and tested in real open waters. The project correctly identified and reported objects in its view.

PROGRAMMING SKILLS

- **Languages:** Python, JavaScript, C/C++, Java **Technologies:** Next.js, React, Node.js, Git, Linux, L^AT_EX