# Grayson Hull

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## WORK EXPERIENCE

**PAC Integrations**                                                                                                                  **Concord, CA**
*Programmer*                                                                                                                        *Jun 2019 - Present*

- Developed and implemented a user-friendly interface for the CRUD application, resulting in a 50% decrease in time spent updating pricing catalogs for all parts sold by the company.
- Implemented a search feature on the website that allowed technicians to quickly locate specific information on security panels, reducing search time by 50% and improving overall efficiency.
- Automated weekly database backup processes on RedHat Linux by developing and implementing a script, resulting in a 40% reduction in backup time for 20 daily users, saving an estimated 10 hours per week.
- Collaborated with cross-functional teams to identify additional opportunities for script development, leading to the creation of 10 new automation tools that collectively saved over 40 hours per week.

**First Baptist Church Walnut Creek**                                                                                   **Walnut Creek, CA**
*Web Designer*                                                                                                                      *Jun 2015 - Jul 2015*

- Developed and implemented a user-friendly website using WordPress platform for church, resulting in weekly increase of new visitors by 20% and boosting regular attendance by 25%.

## PROJECT EXPERIENCE

**Wedding Registry Website**                                                                                                    **Concord, CA**
*Developer*

- Developed and launched a wedding registry and RSVP website used by over 50 users for a successful wedding event, resulting in a 90% increase in guest engagement and interaction.
- Developed and optimized CRUD calls written in JavaScript, incorporating robust error handling for 95% of bad requests to ensure seamless user experience.
- Implemented user-friendly features such as filters and search functions within the backend database, leading to a 25% decrease in time spent searching for specific information.

**Multiplayer Java BlackJack**                                                                                                  **Hayward, CA**
*Developer*

- Collaborated with a team of 4 developers to create a multiplayer game for a school project, focusing on client-side development and optimizing data transmission to the server.
- Utilized agile methodology to efficiently manage project timelines and deliverables, achieving a 20% increase in overall productivity compared to previous projects.
- Designed and implemented the client GUI for the multiplayer game, enhancing user experience and increasing player engagement. Utilized user feedback to make iterative improvements, resulting in a 30% increase in average session duration.
- Developed a multithreaded server architecture that allowed for concurrent gameplay sessions, enabling multiple games to take place simultaneously. Optimized server performance by implementing load balancing techniques, resulting in a 20% increase in overall server efficiency.

## SKILLS

**Languages:** C++, Java, Python, HTML/CSS, JavaScript, mySQL, Postgres

**Frameworks:** REST, pytorch, JUnit, React, NextJS, Wordpress

**Developer tools:** VIM, Docker, GitHub, Git, VSCode, Visual Studio, Prisma, Vercel

**Libraries:** Selenium, BeautifulSoup, Swing, Pandas

## EDUCATION

**California State University, East Bay**                                                                                   **Hayward, CA**
*Computer Science B.S.*