# Richard Heriawan

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## EDUCATION

**Saint Aloysius 2 High School**                                    Bandung, West Java, Indonesia
*High School Diploma;*                                                              *Jun 2016 – Jun 2019*
**Shoreline Community College**                                       Seattle, Washington, USA
*Associate in Arts and Science;*                                                 *Sep 2019 – Jun 2021*
**University of California San Diego**                              San Diego, California, USA
*B.S. in Computer Science;*                                            *Sep 2021 – Jun 2023 (Expected)*

## WORK EXPERIENCE

**CV. Aquatic**                                                               Bandung, West Java, Indonesia
*Web Design and Development Intern*                                          *Jan 2021 – Apr 2021*
- As an avid learner and a skilled communicator, I bring a contagious enthusiasm to every project. My openness to new ideas and willingness to embrace new challenges makes me a valuable asset to any team.
- In a fast-paced work environment, I excel at analyzing and prioritizing multiple responsibilities to ensure that all tasks are completed efficiently and effectively. My organizational skills and ability to stay focused under pressure allow me to meet even the tightest deadlines.

## CERTIFICATES & ACTIVITIES

**Indonesian Student Club (ISC):** as a part of social media team, I involved in creating, curating, and managing content for social media platforms, such as Facebook, Twitter, Instagram, and LinkedIn.

**Co-Curricular Record (CCR):** granted to students who participates in extracurricular activities outside the classroom, such as clubs and other related activities.

## PROJECTS

**CSE 110 Group Project** | *GitHub*
- Led a group project for Software Engineering course (CSE 110) in the Fall 2022-2023
- The aforementioned projects implement the fundamental principles of CRUD, which enable end-users to seamlessly execute a comprehensive range of operations, including but not limited to creating, reading, updating, and deleting data.

**CSE 120 Individual Project**
- An individual project for Operating System course (CSE 120) in the Winter 2023
- I gained hands-on experience in designing and implementing kernel structures, managing concurrency, optimizing memory usage with virtual memory, implementing efficient file systems, scheduling processes, and ensuring security and protection.

**COGS 108 Group Project** | *GitHub*
- A group project for Data Science course (COGS 108) in the Winter 2023
- Collaborating with a cross-functional team of experts in math and statistics, specialized programming, advanced analytics, artificial intelligence (AI), and machine learning, I leveraged my skills and experience to deliver data-driven solutions to complex business challenges.

## SKILLS

**Programming:** C, C++, Java, Python, MATLAB, R, MySQL, HTML, CSS, Pascal
**Technologies:** Git, Arduino, ROS, Simulink, LTspice, Xilinx ISE
**Languages:** Indonesia (Native), English (Professional), Chinese (Elementary)

## RELEVANT COURSEWORK

**Major coursework:** Calculus I-III, Matrix Theory, Differential Equations, Statistical Methods, Probability Theory, Discrete Mathematics, Physics-Mechanics, Phys-Electricity and Magnetis, Advanced Data Structures, Theory of Computation, Data Science, Computer Security, Operating System, Hardware, AI, Machine Learning, Deep Learning