

Richard Heriawan

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EDUCATION

Saint Aloysius 2 High School

High School Diploma;

Shoreline Community College

Associate in Arts and Associate in Science - Track 2;

University of California San Diego

B.S. in Computer Science;

Bandung, West Java, Indonesia

Jun 2016 – Jun 2019

Seattle, Washington, USA

Sep 2019 – Jun 2021

San Diego, California, USA

Sep 2021 – Sep 2023 (Expected)

WORK EXPERIENCE

CV. Aquatic

Web Design and Development Intern

Bandung, West Java, Indonesia

Jan 2021 – Apr 2021

- Spearheaded the development and implementation of a modern and user-friendly website for CV. Aquatic, a leading distributor of textile dyes and chemicals.
- Collaborated closely with the marketing and sales teams to understand customer needs and tailor the website's content to meet the requirements of different target audiences.
- Achieved a remarkable 25% increase in sales revenue within the first six months of launching the new website, leveraging improved online visibility, user-friendly design, and targeted lead generation strategies.
- Developed and presented a comprehensive rough draft of the company website for CV. Aquatic, incorporating modern UI/UX principles and responsive design. The project is available on GitHub [here](#), showcasing the initial wireframes, design concepts, and prototype for client feedback and approval.

CERTIFICATES & ACTIVITIES

Indonesian Student Club (ISC): As a vital social media team member, I dynamically create, curate, and manage compelling content across diverse platforms (Facebook, Twitter, Instagram, LinkedIn), while leveraging expertise in crafting captivating visual designs to enhance the impact and reach of our campaigns.

Co-Curricular Record (CCR): Certified by UC San Diego's Co-Curricular Record (CCR) for outstanding engagement and accomplishments in diverse extracurricular pursuits. Highlights competencies and skills developed beyond academics, demonstrating meaningful contributions to professional growth.

PROJECTS

CSE 110 Group Project | [GitHub](#)

- Led a group project for Software Engineering course (CSE 110) in the Fall 2022
- 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.

CSE 151B Group Project | [GitHub](#)

- A group project for Deep Learning course (CSE 151B) in the Spring 2023
- Our collective objective was to create an exceptional predictive model capable of accurately estimating taxi travel time within the bustling city of Porto. We successfully engineered a working model that not only showcases our advanced understanding of deep learning methodologies but also demonstrates our ability to solve complex real-world problems.

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