Duy Vu

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Education

- **University of California, San Diego** — La Jolla, CA
  B.S. Mathematics - Computer Science; GPA: 3.71 — *September 2021 – June 2023*
  Relevant Coursework: Data Structures & OO Design, Advanced Data Structures, Computer Organization and Systems Programming, Theory of Computability, Discrete Mathematics & Graph Theory, Statistical Methods

- **De Anza College** — Cupertino, CA
  Transfer General Education; GPA: 3.94 — *September 2019 – June 2021*
  Relevant Coursework: Data Structures, Calculus, Physics

Skills

- **Languages**: C/C++, Java, Python, Javascript(ES6), SQL
- **Technologies**: React, NodeJS, Django, .NET, HTML/CSS, Git

Experience

- **San Diego Supercomputer Center** — *San Diego, June 27 - September 2, 2022*
  Software Developer Intern
  - Develop a mobile profile-based platform which connects users looking for housing based on questionnaire answers and preferences using React Native, Node.js, and MySQL.
  - Collaborate in a team of 7 through AGILE framework to establish the application design and architecture.

Projects

- **SciMet** — *San Diego, April 2022*
  Website Developer
  - SciMet is a non-profit organization that connects Vietnamese students with scientists to improve STEM education in Vietnam.
  - Designed and developed the website and scientist database for users to connect using ASP.NET Core.

- **Time and Emotion Management** — *San Diego, April 8 - April 10, 2022*
  San Diego Hackathon
  - Developed a studying tool that tracks and analyzes students' facial expressions over time to assess emotional changes at the end of the studying sessions.
  - Developed an algorithm to predict students' emotions and suggest suitable activities to improve emotional balance.
  - Used face-api.js and ml5.js libraries to implement facial expression tracking.
  - Used Chart.js library to display data points of each emotion on bar charts to users.

- **Ticket System Simulation** — *San Diego, January 2022*
  Project in Data Structures & OO Design class
  - Developed a top-down simulation system that allows tutors to respond to students' questions from highest to lowest priorities.
  - Developed a tool for students to submit questions as tickets to tutors.
  - Assigned each question to different classes of ticket priorities using priority queue.