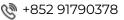# Yil Verdeja
Full Stack Engineer

An adaptable and detail-oriented Fullstack Engineer with 4 years of experience from embedded software to web development. Specializes in modern, responsive web applications using React and Vue.js, with strong proficiency in Node.js for REST APIs. Thrives in startup settings, adept at quickly adapting skills to meet evolving challenges. Dedicated to solving complex problems and creating user-friendly, efficient, and impactful applications.

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Relevant Experience

Software Engineer @Ampd Energy
Sept 2021 - Jan 2023 // Hong Kong
- ↳ Improved the firmware testing process by 75% through comprehensive test plans and regular validation of quarterly releases
- ↳ Developed Python libraries & tools to improve configuration management, automate system changes, and enhance hardware communication
- ↳ Authored comprehensive technical documentation, enhancing cross-functional understanding and collaboration

Software Engineer Intern @Ampd Energy
Mar 2021 - Sept 2021 // Hong Kong
- ↳ Streamlined the data-logging process reducing setup time for field engineers by 30%
- ↳ Created a configuration management tool in Python to efficiently modify Enertainer parameters, enabling easy on-site and remote troubleshooting
- ↳ Built a VueJS web app on the Google Cloud Platform for easy retrieval, download, and analysis of real-time Enertainer data
- ↳ Assisted field engineers in identifying errors and providing on-site solutions, resulting in 40% less downtime

Test Engineer Intern @AiSight
Sept 2021 - Jan 2023 // Berlin, Germany
- ↳ Managed deployment of up to 50 sensor nodes, ensuring quality control and functional testing
- ↳ Built a fault simulation machine and developed a custom PCB for hardware testing, contributing to more robust fault detection
- ↳ Held daily Agile Scrum meetings, and optimized and refactored code for scalability and functionality

Skills

Programming Languages
Javascript, Typescript, Python, HTML/CSS, C, Java, C++

Libraries & Frameworks
React, Vue, Vite, Nuxt, Next, TailwindCSS, Bootstrap, Node, Express

Tools & Platforms
Git, Bash, Firebase, Google Cloud, Supabase, Docker, AWS, MySQL, MongoDB, CI/CD

Design
Figma, Illustrator, Photoshop

Education

Worcester Polytechnic Institute
2015 - 2019 // MA, USA
Bachelor of Science in Electrical & Computer Engineering and Robotics Engineering
Minor in Computer Science
GPA 3.93/4.00

Relevant Projects

Image Elf // April 2024
Build a ReactJS HTML5 Canvas app for creating custom sized images for developer edge case testing.

Device Dashboard // March 2024
Developed a Node.js and TypeScript backend to retrieve device energy savings data, displayed via Vue.js in an interactive bar chart, enhancing data accessibility and user experience.

Caregiver Dashboard // Mar 2024
Built with ReactJS and TailwindCSS, this admin dashboard features a simple RESTful API in NodeJS for managing caregiver shifts, allowing admins to approve, decline, or search for caregivers by name.

Order Local HK // Aug 2023
Developed a Vue.js and Firebase web app that enables users to learn and practice ordering food in Cantonese at local Hong Kong eateries, like TamJai Samgor.

Firefighting Robot // @WPI, Aug 2018 - May 2019
Led a team of five to create a robot that navigates fires, monitors conditions, and communicates wirelessly with firefighters. Managed timelines, facilitated weekly meetings, and ensured team accountability, boosting project success and safety.

AWS Rana Scheduler // @WPI, Dec 2018
Designed and implemented a full-stack online scheduler on AWS, utilizing HTML/CSS and JavaScript for the frontend, and deploying a serverless Python backend with Flask via AWS API Gateway and Lambda.