

Robert Valmassoi

rvalmassoi@gmail.com
1615 Tustin Ave. • Costa Mesa, CA 92627

Objective

To obtain a full-time position in the Mechanical Engineering field, with a focus on product design.

Education

Purdue University, School of Mechanical Engineering

Bachelor of Science in Mechanical Engineering

August 2014

Work Experience

Master Spas, Engineering and Computer Drafting Intern

May 2007- August 2011

- Collaborated with team of engineers and manufacturer to create rotomolded light fixture, implemented into the product
- Redesigned swim spa to accommodate Michael Phelps' wingspan, ultimately becoming new product line for company that helped grow category to become world leader in sales and design
- Constructed insulated testing chamber to analyze and calculate energy efficiency of hot tubs, ensuring California Energy Commission requirements were met
- Created 3D plumbing drawings to streamline manufacturing process, 1,000+ hours of SolidWorks logged

Comity Web Agency --> Jade Labs LLC, Owner

December 2010 - Present

- Founded company to give web presence to small businesses in multiple states
- Wide range of duties and responsibilities, from website development to company management
- Managed 25 interns under an annual internship program, employing international technology students
- Negotiated a \$50,000 contract for a custom application that streamlined company's workflow
- Worked directly with many clients throughout project builds, adjusting services to needs

Rapid Prototype Senior Design, Team Leader

June 2014 - July 2014

- Designed aerodynamic recumbent bicycle featuring regenerative braking and Ackerman steering
- Performed weight, aerodynamic, and force analysis using SolidWorks
- Optimized SolidWorks design for .stl filetype to rapid prototype 1/5 model
- Delegated tasks to team members based on abilities, completing project ahead of schedule

Space Cash App, Designer and Developer

December 2013 - Present

- Sole developer of a 4.5/5 star rated bitcoin/altcoin price ticker application
- First app to have over 100 cryptocurrencies, filling a need in the space
- Successfully passed Apple's App Store approval process
- Continues to improve app, implement new features, and provide updates with SDK and API changes

Skills

- Proficient in SolidWorks modeling, Adobe Creative Cloud, MATLAB, MS Office, HTML/CSS, JavaScript
- Knowledge of Objective-C, Swift, CATIA
- CNC, mill, and lathe machining experience

Extracurricular

- Phi Kappa Psi Fraternity, Indiana Delta
- Study abroad, Bechtel-Australia
- High school Varsity Lacrosse

Volunteering

- Boys and Girls Club of Lafayette
 - Phi Kappa Psi philanthropy
 - Engaged with under privileged youth
- Habitat for Humanity
 - Technician for a blitz build project
 - Set up live webcams to track the build progress