

Julian Mazaira

1412 Market Street,
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Education

University of Pennsylvania, School of Engineering and Applied Science

Major: Bachelor of Science in Engineering, Mechanical Engineering and Applied Mechanics

Varsity Rowing, 20+ hours/week



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the_julianmaz



Interests

Mobile / Web / Mechanical Design,
Fullstack Development, Data Structures,
Building, Coaching, Rowing, Rock
Climbing, Basketball, Chess, Surfing,
Film, Film making

Projects and Personal Experience

Etnia Barcelona LLC, *Product Development Engineer* – Guangzhou, China
Summer of 2014 & 2016

I worked in the Asian facilities for Etnia Barcelona, a reputable eyewear distributor. I engaged many industrial production processes from production optimization to quality control. My main task was to convert design mockups into CAD for manufacture. This was a truly unique experience where I took a deep dive into large scale manufacture.

Data Analytics Mobile Application for Sports Teams – April 2017 - Present

A mobile application built in React Native with Redux state management for team data storage and data analytics. I built this product end to end. Cool features include: image processing for text recognition, Google Sheets API integration, chat messaging, and Calendar Features

Real Time Event Sharing Mobile Application – March 2017

I worked in a team of three engineers over a one-month period to build launch and scale a mobile application. The product was built in React Native with Redux state management. I was tasked with designing a ReSTful client/server communication protocol that allows for data storage and user to user communication.

Senior Design Project, Stroke Rehabilitative Device – Fall 2015 – Spring 2016

I coordinated efforts with teammates to design and build a stroke rehabilitation device. My main goal in this project was optimization and design analysis, as well as design for manufacture. Our team was an Intel Cornell Cup Finalist.

Other Cool Projects:

Mobile versions of Risk (Java) and Stratego (React Native)
Qualitative Rowing Tool for live analysis

React/React Native:



Redux:



Node JS:



UI/UX design:



Hustle:



Qualitative Skills:

Teamwork,
Adaptability,
Problem Solving,

Tech Stack

| | |
|----------|------------|
| React | WebPack |
| Node JS | Java |
| Express | Matlab |
| MongoDB | Solidworks |
| AWS | |
| FireBase | |