Daniel Varela

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What have I built without a CS degree?

OUTSIDE | FULL STACK APP

- An app for managing outdoor events and meetings through a simple UI. This app combines React components built by yours truly and open source components by Airbnb and Google.
- Built on ES6/7 ReactJS, Redux, PassportJS, MomentJS, MongoDB, REST, HTML5, CSS3/Bootstrap.
- **Demo**: https://outside-capstone.herokuapp.com/ | **Code**: https://github.com/dotexe0/outside/

DAYTRADR | FULL STACK APP

- A gamification stock trading app without the pressure of losing real money. Getting the itch to buy that special snowflake stock? Maybe a hot new IPO is coming out? Wonder what could have been no more.
- Pro-tip: Don't buy IPOs at IPO prices.
- Built on ES2015, EJS, NodeJS, jQuery, PassportJS, MongoDB, Robinhood API, HTML5, CSS3/Bootstrap.
- **Demo**: https://daytradr.herokuapp.com/ | **Code**: https://github.com/dotexe0/daytradr/

CINEFILM | FRONT END APP

- A movie aggregator site to help you choose what movie to watch. This app is perfect for when you want to watch 3 movies, but only have time for one. Get a quick summary, trailer, and links to reviews.
- Built on ES2015, NodeJS, jQuery, GuideBox API, The MovieDB API, HTML5/CSS3.
- **Demo**: https://dotexe0.github.io/cinefilm/ | **Code**: https://github.com/dotexe0/cinefilm/

GAMESIFT | FRONT END APP

- A video game synopsis search engine. We all love video games, but there is never enough time in the day to decide what to play. This app lets you get a lightning fast information through the International Game DB.
- Built on ES6/7, React, Redux, NodeJS, IGDB API, HTML5/CSS3.
- **Demo**: https://dotexe0.github.io/cinefilm/ | **Code**: https://github.com/dotexe0/cinefilm/

What tools have I learned in the last 6 months while working a full-time job?

Stack	Languages & Tools/Libraries	Frameworks	Testing
Frontend (Client)	Javascript (ES6/7), NodeJS, jQuery, HTML5/CSS3	React / Redux, Bootstrap, MaterialUI	Mocha, Chai, Jest
Backend (Server)	NodeJS, REST APIs	Express.js, socket.io	Postman, Mocha, Chai

Tooling	Version Control & CI	Deployment	Database & Authentication
VSCode, Atom, Sublime, Hyper.js	Git & TravisCI	AWS, Heroku CLI, Surge CLI, Github CLI	MongoDB, PassportJS

* Need a different stack for your job? Imagine how quickly I could pick it up! I also have basic knowledge of Ruby and Python.

Education

FULL STACK WEB DEVELOPMENT BOOTCAMP | 2017 | THINKFUL

- Intensive 6-month software development program with a focus on the MERN stack and responsive UI design principles.
- Held meetings three times a week with Senior Software Engineers for code review, pair-programming, and to discuss problem solving techniques.
- Assisted other students through algorithm and data structure exercises.

BACHELORS OF SCIENCE | CIVIL ENGINEERING | 2012 | UNIVERSITY OF CALIFORNIA, IRVINE

- **Relevant Coursework:** Fundamentals of Computer Science (Java), Engineering Problem Solving (Matlab), Systems Analysis and Decision Making.

Work Experience

ASSISTANT ENGINEER | CITY OF LOS ALTOS | SEPTEMBER 2015 - CURRENT

- Developed City-wide Concept of Operations for Autonomous / Connected Vehicles and its backbone infrastructure.
- Coordinated data acquisition efforts with Google's self-driving vehicles on behalf of City staff.
- Successfully wrote dozens of legal contracts that should have been written by a team of lawyers.

ENGINEER / PROJECT MANAGER | CITY OF SAN JOSE | MARCH 2013 - SEPTEMBER 2015

- Planned, designed, and implemented multi-million dollar civil infrastructure as part of the Engineering Division of Public Works.