**Joseph Lozano**

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**Education & Work Experience**

**Columbia University School of Engineering & Applied Science** **New York, NY** *B.S. Biomedical Engineering Sep 2014 - May 2018*

* Relevant coursework: Python, MATLAB, Quantitative Physiology, Diagnostic Ultrasound, Biomedical Engineering Lab, Signal Processing, Linear Algebra, Differential Equations

**Munoz Engineering, DPC** **New York, NY**  
*Summer Intern Jun to Aug 2017*

* Learned to program in Javascript, redesigned the company website with HTML/CSS and jQuery animations
* Reviewed and edited technical resumes

**Horizons School of Technology**  **San Francisco, CA**  
*Student – Full Stack JavaScript Development Jun - Aug 2018*

* Completed a series of collaborative and independent projects while continuing to learn Javascript, develop front-end applications, manage backend servers/databases, and understand data structures and algorithms

**Standardized Testing Scores**: GRE: Math 166/170, Verbal 159/170, SAT: Math 760/800

**Featured Technical Projects**

***Independent Projects***

**React Chess (Socket.io, React, NodeJS, MongoDB)**

* Built a version of 2-player chess in React as a single-page application, using socket.io & redux framework
* Events are emitted across browsers among users to allow for real-time playing of chess games

**Stock Analysis (React, NodeJS, MongoDB, Python)**

* Designed a web-scraping program in Python that collects and sorts through stock data daily
* Algorithm makes predictions about price movement based on a set of criteria and a stored dataset
* Sends predictions to a single-page React site in real time, information stored in NoSQL database

***Horizons School Projects***

**Real-Time Collaborative Text Editor (Electron, Socket.io, NodeJS)**

* Worked with a team to develop a Google Docs clone. Specifically, designed the UI/UX aspect of the app
* Used draftJS to allow for the creation and editing of documents in rich-text format

**Other Projects**

* Created a nodeJS backend that utilizes natural language processing to take user input from Slack and create calendar events in the user’s Google calendar
* Designed a game in React Native for a hackathon that allows friends to play tag using phone GPS location

**Leadership & Awards**

Columbia University Varsity Swim Team Captain  *2017-2018*  
3-Time USA Swimming Scholastic All-American *2012, 2013, 2014*

**Skills and Interests**

* Proficient in Javascript development frameworks Node.JS and React
* Working knowledge of Python, SQL, and MATLAB
* Active stock day trader since 2015, classical pianist and viola player since childhood