

# JONATHAN NAVARRO

1009 N PALM AVE, RIALTO, CA • 909-685-9329 • [navarro.jonathen@gmail.com](mailto:navarro.jonathen@gmail.com) • [www.linkedin.com/in/jonathannavarro1/](http://www.linkedin.com/in/jonathannavarro1/)

## EDUCATION

### University of California, Irvine

June 2018

*Bachelor of Science in Computer Science*

**Relevant Coursework:** Data Structures/Algorithm Analysis, Information Retrieval, Machine Learning, Graph Algorithms, Parallel/Distributed Computing, Embedded Software, Computer Systems Architecture

**Technical Skills:** C/C++, Python, Java, HTML, CSS, XML, GIT, Mercurial, MySQL

## TECHNICAL PROJECTS

### Jonathan Navarro Resume Website: - [jonathan-navarro.surge.sh](https://github.com/Jonathan-E-Navarro/jonathan-navarro.surge.sh)

June 2017- June 2018

- Learned web development basics by building an online portfolio using **HTML**, **CSS**, and some **Javascript**
- Utilized and modified **CSS** and **Javascript** templates in order to create an interactive project viewer
- Launched the website using the Surge static web hosting tool
- Read more at the project repo: <https://github.com/Jonathan-E-Navarro/jonathan-navarro.surge.sh>

### UCI Search Engine:

May 2018

- Implemented a search engine given a collection of around 50,000 webpages from UCI related domains
- Parsed and tokenized html content using the **Beautiful Soup** library
- Created an inverted index and used the TF-IDF ranking scheme for yielding optimal search results
- Read more at the project repo: <https://github.com/Jonathan-E-Navarro/UCISearch>

### Othello GUI Application:

March 2018

- Built a GUI implementation of the popular game Othello
- Implemented the project using **Python** for the game logic
- Used Python's **tkinter** library to build the user interface
- Read more at the project repo: <https://github.com/Jonathan-E-Navarro/OthelloGUI>

### Mapquest API Project:

June 2015

- Utilized the **Mapquest API** to create a rudimentary text based GPS for driving directions based on user input such as directions, latitude, longitude, distance and time
- Implemented a interface which utilized the users' input to send an **HTTP** request to the **Mapquest API**
- Programmed the interface to parse the API's **JSON** response for user requested information and transpose it to text for the users' viewing
- Read more at the project repo: <https://github.com/Jonathan-E-Navarro/MapquestAPITool>

## PROFESSIONAL EXPERIENCE

### SendGrid: - Orange, CA

March 2017

#### Software Engineering Job Shadow Participant

- Selected from a pool of applicants for the job shadow program organized by the University of California, Irvine.
- Worked alongside two engineers in learning how to integrate/test a new feature into their service
- Learned more about how the team uses **javascript**, version control systems, and basics of email protocols

### Metronome Software LLC: - Lake Forest, CA

June 2016 - September 2016

#### Software Engineering Intern

- Implemented revitalized versions of ECLOAK's and NIDUS' Android app Home/Dashboard using **XML**, **Java** and in accordance to the **scrum agile** development process.
- Collaborated with the UI/Design team to clarify and implement all necessary user interface changes
- Developed code that handled sending, retrieving and displaying pertinent information to ECLOAK's users from Metronome's servers by integrating specialized **HTTP requests** into the mobile app's backend.
- Implemented a new login page for the NIDUS mobile app both on the front end, and in the backend by generating the appropriate HTTP post requests to handle authenticating the user to **Cloudstack**.
- Worked on the main functionality of the NIDUS mobile app by creating a system for sending modular **REST API** commands to the Cloudstack/NIDUS server in order to allow users to manage their virtual machines and accounts.

## ONLINE CONTACT:

GITHUB: <https://github.com/Jonathan-E-Navarro>

LINKEDIN: [www.linkedin.com/in/jonathannavarro1/](http://www.linkedin.com/in/jonathannavarro1/)