

# Full Stack Developer

Modular mindset, computational thinker, quick-witted, accelerated-learning engineer with an inquisitive mind who excels at executing deliverables via JavaScript and Python.

## EXPERIENCE

### DEMRRAR, LLC — *Software Engineer Intern*

JUN 2021 - AUG 2021 • Remote

Led agile scrum meetings for web data extraction stored in relational databases. Established development team with GitHub contribution guidelines. Developed web data extraction tool that harvests Wikipedia pages and generates a Neo4j database of Wikipedia.

**Technologies** — Python, Simple algorithms, Critical thinking, Data visualization, Data processing, Neo4j, RabbitMQ, Web scraping

## PROJECTS

### Form Builder — [deployment](#)

Developed a Full Stack web application that allows users to design and host forms. Implemented responsive web design using the React reference hook and MUI breakpoints. Applied data structure knowledge to build the database schema for GraphQL and MongoDB.

**Technologies** — Javascript, React, MongoDB, MUI Library, GraphQL, Express, Digital Ocean, Nginx, Data models, CSS

### Traverse Wikipedia — [deployment](#)

Visualized relational data using a force-graph library. Implemented asynchronous functions and calls in the form of Promises. Applied algorithms to real problems or ideas and level-order traversal with caching and path mapping.

**Technologies** — Javascript, Simple algorithms, REST API, Critical thinking, Data visualization, Data processing, CSS

### Chess Engine — [deployment](#)

Developed an interactive chess board with draggable elements and game flow. Implemented game tree search algorithms and incorporated Alpha-Beta and null move pruning, principal variation search, and transposition table. Developed killer move and history heuristics. Implemented an opening book and encyclopedia via data processing

**Technologies** — Javascript, Application specific algorithm, Search algorithm, Complex algorithms, Data processing (openings), Critical thinking, CSS

## EDUCATION

### Santiago Canyon College — AS-T Computer Science

AUG 2021 - JUN 2023 • Orange, CA

Societies: STEM Program, Student Body

### UC Irvine Web Developer Bootcamp — *Full-Stack Web Developer*

NOV 2021 - JUN 2022 • Irvine, CA

## Benjamin Wirth

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## SKILLS

Javascript (NodeJS, ReactJS)

Python (Django)

Simple algorithms

Dynamic Programming

REST API

Critical thinking

Data visualization

Data processing

HTML5/CSS3

Application specific algorithms

Search algorithms

Complex algorithms

Express.js

Deployment

Team collaboration

Data Models

Backend templates

Neo4j

MongoDB

GraphQL

MySQL

## LANGUAGES

JavaScript (Intermediate)

Python3 (Intermediate)

C, C#, C++ (Beginner)