Alejandro "Alex" Figueroa

Full Stack Software Engineer/Developer

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TECHNICAL SKILLS

Python (3 years), R (3 years), Javascript (1 year), Java (1 year), Django (1 year), React (1 year), Gatsby (1 year), Git (1 year), CSS (1 year), SCSS (1 year), HTML (1 year), Pandas (3 years), Selenium (3 years), Numpy (3 years), Matplotlib (3 years), D3.js (1 year), Neo4j (1 year), Py2neo (1 year), Postgres (1 year), SQLlite (3 years), Bs4 (BeautifulSoup4) (3 years), Docker (< 1 year), Kubernetes(< 1 year), REST API (< 1 year), Microservices Architecture (< 1 year), Jira (< 1 year), Jenkins (< 1 year).

WORK EXPERIENCE

Freelance Web Developer, Client *- Sep 2020 - present -* Remote

- ⇢ Designed UI using wireframes.
- ⇢ Worked with client to assess features and capabilities of this software solution.
- ⇢ Full stack development using Django, React, and Postgres.
- ⇢ Created data analytics dashboard using D3.js.
- ⇢ Created data models using Django's ORM (Object-Relational Mapper)
- ⇢ Implemented Django's MVT (Model-View-Template) design pattern.

PROJECTS

AU70MA7A MVP: Data Modeling Platform *- Under Development*

- ⇢ Design and developed microservices architecture that uses an API Gateway and a monolithic front-end.

- → Stack includes Django, React, Gatsby, Docker, Kubernetes, Jenkins, Neo4j, and SCSS.
- → Used Django REST API to allow calls to be made from the client-facing Gatsby application.
- → Used this system to automate the generation and management of my own personal data.
- → This is only the beginning of a much bigger intelligent automation (RPA + AI) platform.

NetWyrk: Freelance/Founder-Based Social Media Platform *- Under Development*
- → Full stack development using Django, CSS, HTML, and SQLlite.
- → Handled user authentication/authorization.
- → Created various media feeds for every user profile with an account. (Blogs, Photos, Videos, Projects, Products, and Services.)
- → Handled account registration.
- → Handled profile customization.
- → Created features that allows users with an account to post to one of two profiles - their personal profile or their professional profile.

Software Developer Portfolio: Gatsby Static Site *- Live @ cybrvybe.github.io*
- → Front end development using Gatsby, NodeJS, React, and SCSS.
- → Component-based front end development with React.
- → Implemented tabs with react-tabs.
- → Created styling and animations in SCSS.
- → Deployed using Github Pages.

2018 - 2019: University of California, Santa Barbara

→ Self-taught data science by using deep learning and data science processes to predict the price of the S&P 500.

→ Developed and explored my interests and ideas at the intersection of chaos theory, blockchain, graph networks, automation, and AI.

→ Left school to pursue my ideas and the development of an AGI, and directly contribute to the technological sphere.

→ Started programming in Python, R, and Arduino.

→ Created cylindrical POV (perception-of-vision) display with an Arduino microcontroller, some LEDs, an old lamp, and an Arduino motor.

2017 - 2018: Silverado High School (Victorville, California)

→ Self-taught vector calculus by solving every variation of problems in a vector calculus textbook and taking notes on every single concept.

→ Would wake up at 3:00 am to study vector calculus every morning.

→ Developed an intellectual interest in chaos theory and graph networks.

→ Wrote a 92 page statistical analysis report on the effect of average annual global temperature, in relation to the annual frequency of hurricanes.

→ Started programming in Java.

2014 - 2016: Summit Leadership Academy (Hesperia, California)

→ Self-taught Chemistry over the summer in order to jump into AP Chemistry as a sophomore in high school.

→ Led the academy's Honor Guard, Color Guard, and Drill teams as Honor Guard Commander.

→ Led the freshman and sophomore classes as Platoon Leader.

→ Exclusively mentored in the implementation of leadership by Gunnery Sergeant Ronald Wilkins, former Dean of Students at Summit Leadership Academy.

→ Led a 6-month long recruitment campaign necessary to secure school funds and recruit over 50 cadets.

Mathematics, Business Development, AGI, Automation, Blockchain, Chaos Theory, Graph Networks, Statistical Mechanics, Complexity, Emergence, The 4th Industrial Revolution, Web 3.0, Automata Theory, Control Systems, Audio Production, Audio Engineering, Quantum Computing, Predictive Economics, Nanotechnology.