

Sebastian Arboleda

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EDUCATION

EASTERN NAZARENE COLLEGE

Quincy, MA

Pursuing a B.S. in Electrical Engineering

2017 - Spring 2020

- **Relevant Coursework:** Robotics, Circuit Theory, Engineering Design, Embedded Systems, Computer Programming, Signals and Systems.
- **Awards And Honor:** President's Scholarship, NECC Academic All-Conference Award.
- **Extracurricular Activity:** Men's Soccer Team, Investment Club.

WORK EXPERIENCE

Eastern Nazarene College

Quincy, MA

Engineering Lab Manager

Sep 2019 – Present

- Responsibilities include deployment, serving and monitoring of VMs, network security, and service scalability.

Sighten, Inc.

San Francisco, CA

Software Engineering Intern

Jun 2019 – Aug 2019

- Coded a platform feature in **Django** and **AngularJS** that models the charging needs of a clients' electric vehicles.

Eastern Nazarene College – in partnership with NASA

Quincy, MA

Software Engineer - Earthquake Forecasting Researcher

Jun 2018 – Aug 2019

- Developed the entire IoT data pipeline to gather and display readings from remote sensors.
Primary tech: MQTT, Python, Grafana, InfluxDB, Bash, Git, Pandas, **PostgreSQL**, and **Docker**.
- Designed and deployed the system's microservices architecture along with a CI/CD pipeline using orchestration tools, **Travis CI**, Docker, and Flask.

BluePanda Smart Mirrors

Bogota, Colombia

Co-Founder

Feb 2017 – Dec 2018

- Lead the design, assembly, and manufacturing of all product lines on top of my college's workload.
- Developed software to showcase desired information on mirrors and control them through a web app.

Elemental Excelerator, Inc.

Palo Alto, CA

Software Engineering and Business Analyst Intern

Jun 2018 – Aug 2018

- Built a new platform feature that predicts the hourly energy consumption of several devices and appliances for residences anywhere in the U.S. by building data models based on **900+ datasets**.
- Created multimedia content for both Intersolar North America and Solar Power International conferences.

Fairbanks Energy Services

Hingham, MA

Marketing Intern

Feb 2018 – May 2018

- Gained an 8% weekly growth on social media platforms by creating and executing a marketing content strategy.
- Coded an interactive map of the company's featured projects for showcasing in events using **JavaScript**.

Techstars, IoT

New York, NY

IoT Intern

Jul 2017 – Aug 2017

- Developed a Flask microservice to generate reports based on markdown input.
- Assisted startups in business/product development and investor meetings.

PROJECTS

Fakts – Currently building the most complete real-time AI-powered **fake news detection** system. 2019

- Built a system that detects verifiable claims in a document and gathers reliable evidence through a custom search engine which is then passed to a stance detection system that tells if such claims are likely true.
Primary tech: NumPy, Pandas, **Tensorflow**, RabbitMQ, **MongoDB**, Vue.js, **NLTK**.

Talking Cub – Developed a smart speaker that answers (editable) ENC's campus questions. 2019

TAB Market – Created a marketplace app (iOS and Android) for my high school. 2015