ELIAS JOAQUÍN LITTLE

Full–Time Student

@ EliasJLittle@gmail.com 📞 512–788–4349 📍 Austin, Texas
🔗 EliasL.com in LinkedIn ⚙ GitHub

PROJECTS

Monte Carlo Credit

📅 Summer 2020

Designed and built a service that analyzes someone's transactions and compares their spending habits against rewards from various credit cards to recommend the best one. Stack includes Python, Flask, Svelte, MondoDB, Plaid & Stripe APIs(Launching Soon)

Bright Future

📅 Summer 2020

Built the backend for a site that scrapes well-known news sites with python and analyzes then presents the top articles based on positivity using the TextBlob natural language processing library. (Link)

Project Euler

📅 March 2017 - Present

Solved 50+ Problems on ProjectEuler.net (My progress)

EXPERIENCE

Member

Cornell Hyperloop

📅 Fall 2019-Present 📍 Ithaca, NY

- A member of the propulsion subteam. I work on developing the motor drive system, and related components.

Intern

Applied Research Labs UT Austin

📅 Summer 2019 📍 Austin, TX

- Designed, built, tested, and presented a prototype low-cost low-frequency underwater acoustic source.

Contractor

Torzal Guitars

📅 Summer 2018 📍 Austin, TX

- Researched, designed, and constructed a small-scale Enterprise Resource Planning database in Airtable

EDUCATION

B.Eng. in Operations Research (ORIE)

Cornell University

📅 Aug 2019 – Present 📍 Ithaca, NY

- **GPA** – 3.65 | SHPE • ACSU
- **Courses**: Object Oriented Programming & Data Structures, Discrete Structures, Linear Algebra, Multivariable Calculus, Introduction to Machine Learning, Applications of Operations Research, Introduction to Computational Thinking (unofficial, MIT 18.S191)

ACHIEVEMENTS

Google FooBar Challenge
Completed all five levels of Google's FooBar challenge

Deans List
Fall '19 (Suspended in Spring due to Covid-19)

National AP Scholar
Scored 4 or higher on 8 or more AP exams

SKILLS

- **Programming** – Python, Java, Julia

- **Jupyter Notebook, Git, MongoDB, SQL**

- **Web Dev** – Svelte, Vue

- **General** – MS Office, LaTeX

EXTRACURRICULARS

Engineering Ambassador
As an ambassador for Cornell Engineering, I talk to perspective students, write blog posts about what it means to be a Cornell Engineer, and give tours (not during the pandemic)

Anything Goes
I play cello as member of the band for Anything Goes, a musical theater group.

PUBLICATIONS

Little, Elias. "Development of a low-cost acoustic source for hurried underwater sediment research." *Science and Engineering Apprenticeship Program Reports*. Applied Research Laboratories: The University of Texas at Austin. Austin, 2020. 59-70.

INTERESTS

Optimization, Machine Learning, Finance, Algorithmic Trading, Mathematics