

# ELIAS JOAQUÍN LITTLE

## Full-Time Student

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## 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

### 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 | Engineering Ambassador • SHPE
- 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)

### High School | 🏫 Magnet Endorsement

#### Liberal Arts & Science Academy

📅 Aug 2015 - May 2019    📍 Austin, TX

- GPA** - 4.32 | SAT - 1560 • Orchestra President • Ambassador
- Courses:** AP Computer Science, Computational Problem Solving

## 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

● Git, MongoDB, SQL,  $\LaTeX$

● Web Dev - Svelte, Vue

● CAD - SolidWorks, Fusion

● General - MS Office, Graphic Design

## EXTRACURRICULARS

### Hyperloop

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

### Anything Goes

A 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

## HOBBIES

Cello, Guitar, Architecture, Tinkering