

ELIAS JOAQUÍN LITTLE

Full-Time Student

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EliasL.com LinkedIn GitHub



EXPERIENCE

Project Management Intern @ Silicon Labs

Summer 2021 Austin, TX (Remote)

- Improved a process for moving employee data between Workday and Planview by connecting their respective SOAP APIs via Python.

Contributor @ Google Summer of Code

Summer 2021 Remote

- Developed macros to allow publishing, modifying, and restricting access of functions and variables to a REST API for Julia Lang.'s Pluto notebooks. [Github]

Intern @ Applied Research Labs UT Austin

Summer 2019 Austin, TX

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

PROJECTS

Self Driving Car @ Cornell Data Science

Fall 2021

Beginning a multi-semester project to build a self-driving car system. I am spearheading our Simultaneous Localization and Mapping (SLAM) system this semester.

Poker Game Spring 2021

Worked closely with two others to build a terminal based poker game where you can play against up to 7 computer controlled opponents. I constructed the main architecture and user interaction.

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, MongoDB, Plaid & Stripe APIs(Launching Soon)

EDUCATION

B.Eng. in Operations Research (ORIE) @ Cornell University

Aug 2019 - May 2023 (Present) Ithaca, NY

- GPA - 3.60 | Engineering Ambassador • SHPE
- Courses: Intro to Algorithms | Object Oriented Programming & Data Structures | Functional Prog. | Networks | Discrete Structures | Intro to ML | Practical Tools for OR, ML, & Data Science | Computational Thinking (MIT 18.S191) | Linear Algebra | Multivariable Calc. | Number Theory | Differential Geometry | Math Modelling

ACHIEVEMENTS

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

Deans List × 3
Semester GPA \geq 3.5

Intel Corporate Award
Diversity Programs in Engineering

SKILLS

Programming - Python | Julia | OCaml | Java | Git | Unix | MongoDB | SQL | \LaTeX

Web Dev - Vue | Svelte

General - MS Office | Tableau | Graphic Design

EXTRACURRICULARS

Engineering Ambassador
As a Cornell Engineering ambassador, I communicate to prospective students what it's like to be a Cornell Engineering student.

Cornell Data Science
A member of the Intelligent Systems subteam & Website lead. I work on machine-learning and data related projects.

Ukulele Club
A member and VP of the Ukulele club. We play ukulele as a group for fun.

Interests

Optimization, Machine Learning, Finance, Algorithmic Trading, Mathematics

Hobbies

Cello, Guitar, Architecture, Urbanism, Reading

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.