

# Luca Borletti

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## ACADEMIC PURSUITS

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**Carnegie Mellon University** – School of Computer Science

*August 2021 – Present*

- Dean's List, GPA: 3.93 / 4.0
- Majoring in Computer Science, Concentrating in Machine Learning, May 2025 Graduation
- *Relevant Coursework:* Great Theoretical Ideas in Computer Science, Introduction to ML, Introduction to Computer Systems, Functional Programming, 3D Calculus, Matrices & Linear Transformations

**American School Foundation of Monterrey, Mexico**

*August 2018 – June 2021*

- GPA: 96 / 100, SAT: 1560

## WORK EXPERIENCE

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**Amazon** – *Software Engineering Intern*

*June 2023 – Present*

**T-AI** – *Co-creator, Head of Outreach, Software Engineer*

*February 2023 – Present*

- Created prototype “*T-AI*,” a question-answering tool for YouTube videos, using the Davinci-003 LLM, ReactTS, tRPC, and Tailwind that won *first place* at CMU's largest hackathon, TartanHacks 2023
- After hackathon, led Google Chrome Extension ManifestV3 development and deployed to *webstore*
- Oversaw partnership with DP Education for pilot testing and release to *25,000 Sri Lankan students*

**Fundusol** – *Co-founder, Chief Software Engineer*

*October 2021 – Present*

- Built crop yield prediction and solar panel performance simulation platform using Python and PVLib to win *\$50,000 Stanford Tomkat Innovation Grant* and *Dept. of Energy's EnergyTech Solar Tech prize*
- Developed company *website* using JavaScript/HTML/CSS to acquire prospects and \$2,000 in revenue

**Gallus Insights** – *Software Engineering Intern*

*May 2022 – August 2022*

- Spearheaded development of mortgage data visualization app, “*Gallus Analytics*,” using AWS Amplify as well as authentication system using OpenID Connect currently used by over 1000 customers
- Created predictive financial model using Python to demo and win multibillion dollar lender client

**Codellege**, a Softtek subsidiary – *Coding Instructor*

*Summer 2020 & Spring 2021*

- Designed a 3-month, C++ course and taught to 30 underserved, Mexican young adults across 2 terms

## SELECTED PROJECTS

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**Point & Prove** – HackCMU 2022

*September 2022*

- Developed “*Point & Prove*,” an educational tool for constructive logic using HTML/CSS and NodeJS that was presented in CMU's Logic and Mechanized Reasoning course, 15-217

**ClickShare** – *Best Use of Google Cloud*, TartanHacks 2022

*February 2022*

- Built “*ClickShare*” a web-based video-conferencing platform with screen-share annotation capabilities using Javascript, HTML/CSS, and WebRTC that won the Best Use of Google Cloud award

**Xylo** – 15-112 Term Project

*Fall 2021*

- Made “*Xylo*” a calendar app with Python/Tkinter that allows students to import calendar files from other apps, create/delete/modify events using custom UI, and use interleaving algorithm to optimize studying

**StudyNet** – *Honorable Mention*, HackCMU 2021

*October 2021*

- Coded “*StudyNet*” which finds optimal study times between groups of students using an ics file parser and fully-connected neural network using Python and Pytorch that won Honorable Mention

## SKILLS & INTERESTS

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- Proficient in Python, React, TypeScript, Git, HTML/CSS, C, LaTeX, Standard ML, and AWS tools
- Fluent in Spanish, experienced in videography/graphic design with Adobe tools
- Passionate in hiking, gym, books (sci-fi), and video games (open world, action-adventure)