Alexander Redding

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Education

Northwestern University, Evanston, IL — August 2018 - Present
Weinberg College of Arts and Sciences
BA in Computer Science, Minor in Mathematics — Anticipated June 2022

GPA	3.3 / 4.0
Awards	Hispanic Scholarship Fund Scholar
Related Courses	Design & Analysis of Algorithms, Artificial Intelligence, Computer Systems, Math. Foundations of Comp. Sci.
Activities	Sigma Phi Epsilon Fraternity, *Chaplain*, *Epsilon Coordinator* Society of Hispanic Professional Engineers Northwestern University Robotics Club

Skills

Languages	**computer:** Python, C, C++, JavaScript **spoken:** Native Spanish speaker
Platforms/Tools	Google Firebase, Heroku, Unix shell

Projects

ezbite.io (HTML5, CSS, JavaScript) — September 2020 - Present

- Independently created a restaurant suggestion web app to help students discover new places to eat around campus
- Built and deployed on the Google Firebase web platform, and used the Google Maps API
- Over 200 daily users and continuously being improved from student feedback
- Gained experience with product management and design testing

Digit Recognition Perceptron (Python) — May 2020

- Built a multi-class machine learning algorithm to categorize simulated cell phone accelerometer data as specific lock-screen keypresses
- Achieved over 95% accuracy
- Gained experience with data analysis and large-scale algorithm testing

Northwestern Robotics Club Workshop (C/C++) — October - Dec. 2019

- Led a small team in building an autonomous, two-wheeled robot that responds to physical boundaries from optical sensor input
- Used CAD software to design and create supporting structures
- Utilized an Arduino microcontroller and gained experience with programming embedded systems