

Lisander Lopez
New York City Area
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Education

University at Buffalo, Buffalo, New York.

Major: B.S. in Computer Science

Expected Graduation: May 2021

Relevant Courses: Computer Organization, Algorithms and Complexity, Systems Programming, Web Applications

Projects

2048 - A C implementation of the famous 2048 game

- Developed a terminal based C implementation of 2048 that allows users to play.
- Developed with: C, nCurses, GNU Make, GDB, CUnit, Data Structures

SpotAlong - An open-source Lyrics app with Spotify integration.

- Developed a website that allows users to connect to a spotify session and stream lyrics.
- Developed with: APIs, NodeJS, Web Sockets, HTML, CSS, JS

8-Compiler - A basic compiler for a niche 8-bit computer popularized by Ben Eater.

- Developed a program that converts source assembly code into binary code for an 8-bit breadboard computer
- Developed with: C, GNU Make

Work Experience

Software Developer Intern, M&T Bank - Buffalo, New York

June, 2020 - August 2020

- Offer rescinded due to COVID-19

Teaching Assistant, University at Buffalo - Buffalo, New York.

August, 2019 - Present

- Led lab section of 27 students, lectured on important concepts and tools
- Guided groups and individual students on homework and lab assignments
- Increased passing rate to over 80% by creating additional material for students

Summer "IT On Ramp" Instructor, Tech Corps - Columbus, Ohio.

June, 2018 - August, 2018

- Created a safe classroom environment conducive to cooperative and hands-on learning.
- Explained complex Computer Science topics to students in a language they can relate to and understand
- Assisted students with the successful completion of programming projects and evaluation.

Web Developer, New York Minute Magazine - Manhattan, New York.

January, 2018 - July 2018

- Participated in the development and launch of a new website with over 10k Visitors
- Updated the website with new features like an automatic FIFA bracket updater
- Assisted with technical issues on the website that affected performance

Extracurricular

CSE 115 Free Tutoring Service - Buffalo, New York

Sept, 2017 - May, 2018

- Provided College students with free one-on-one tutoring
- Reinforced concepts learned in class to further enhance comprehension

Skills

- Hardware: Arduino, Raspberry Pi, TTL Logic
- Web Software: HTML5, CSS3, JS, Node JS, React, MongoDB, Firebase, Bootstrap
- Programming Software: C++, C, Java, GNU Make, Git, GDB and CUnit