





Hi, I’m Eli. I create things.


I’m currently a student at **Carnegie Mellon University** earning a Bachelor of Science degree in Computer Science with a concentration in Software Engineering. I hope to use my skills to fight for societal improvement, such as for equal rights, climate change, mental health, access to health care and education, and much more. No matter what work I do, I hope it positively impacts the lives of others.


Carnegie Mellon University


Pittsburgh, Pennsylvania


Python

Currently looking for a summer '22 internship

eli@slotho.io

eli-slothower

GitHub

Resume

About

Hello! My name is Eli and I love learning about and creating software. I’ve been passionate about computer science ever since an early age. I still remember the day I booted up the old Windows 95 PC and drew a red rectangle on the screen with JavaScript - my “Hello World!” moment. This passion has driven me to create software for school districts, manage student interns for a summer internship program, tutor students in mathematics, and has even lead me to creating this website!

Fast forward to today and I am now at Carnegie Mellon University learning the skills I need to become a software engineer. I am currently expanding my skillset and learning things I never could have imagined.

I’m also currently training to become a teacher at [AiGoGLearning](#) in my spare time.

Here’s some topics that I’m currently learning:

- ▶ Algorithms and Data Structures

▶ Advanced Python Skills

▶ Discrete Mathematics
- ▶ Teaching skills

▶ HTML/CSS

▶ C



Relevant Experience

Head Student Technician (Full-Time) - Dover Area School District

June - September 2020

- ▶ Oversaw a group of seven student interns

▶ Helped design, manage, and implement network plans, computer setup plans, and project organization plans for the brand-new high school that was being built at the time

▶ Continued to improve the DHS Help Desk System (see Projects)

▶ Held leadership meetings with administration and staff

Freelance Software Engineer (Part-Time)

September 2020 - May 2021

- ▶ Designed, developed, and managed an iPadOS app, Dover PROUD, for Dover Area School District (see *Projects*)

I.T. Technician Intern (Part-Time) - Dover Area School District

June - August 2019

- ▶ Responded to help desk tickets and summer school device requests


Freelance Web Developer/Designer (Part-Time)

November 2016 - February 2017

- ▶ Designed, developed, and managed a portfolio website for a client working at a car dealership


Projects

Take a look at my previous projects I’ve done throughout the years! This gallery includes commissioned products, personal side projects, hackathon projects, and projects I’ve completed for school.

Dover PROUD


An iPadOS app used to give, track, and spend student points for displaying the traits of a proud student. Uses a custom Google Sheets app script and various other Google APIs. Distributed on over 4,000 devices and growing.

Swift | Xcode | Commissioned Project

DASD Help Desk


A district-wide help desk system used to submit and manage support tickets. This system was crucial to the operation of the school district during the COVID-19 pandemic. Over 5,000 support tickets were managed within one year with this sytem.

FileMaker Pro | Databases | HTML | CSS

EcoSim


An ecosystem simulator that involves randomized terrain generation, different species, mutations, user-input to alter the simulation, a custom-built graphing system, and much more.

Python

Omar


An optical music recognition (OMR) software that reads and plays back sheet music to the user. Uses MIDI, a vast array of instruments, and external hardware to complete this task.

OpenCV | MIDI | Raspberry Pi

Audentify

A song recognition system/game that detects songs based off of the lyrics you sing, created in 24 hours in a group of 4 during Carnegie Mellon University’s Hack112 Hackathon.

Python | Speech Recognition | YouTube API | Genius Lyrics API

Personal Website

The first iteration of my personal website. Custom designed using Sketch, hand built with HTML and CSS, hosted on the interwebs.

HTML | CSS | Sketch

[View my GitHub](#)

Intrested in my work?

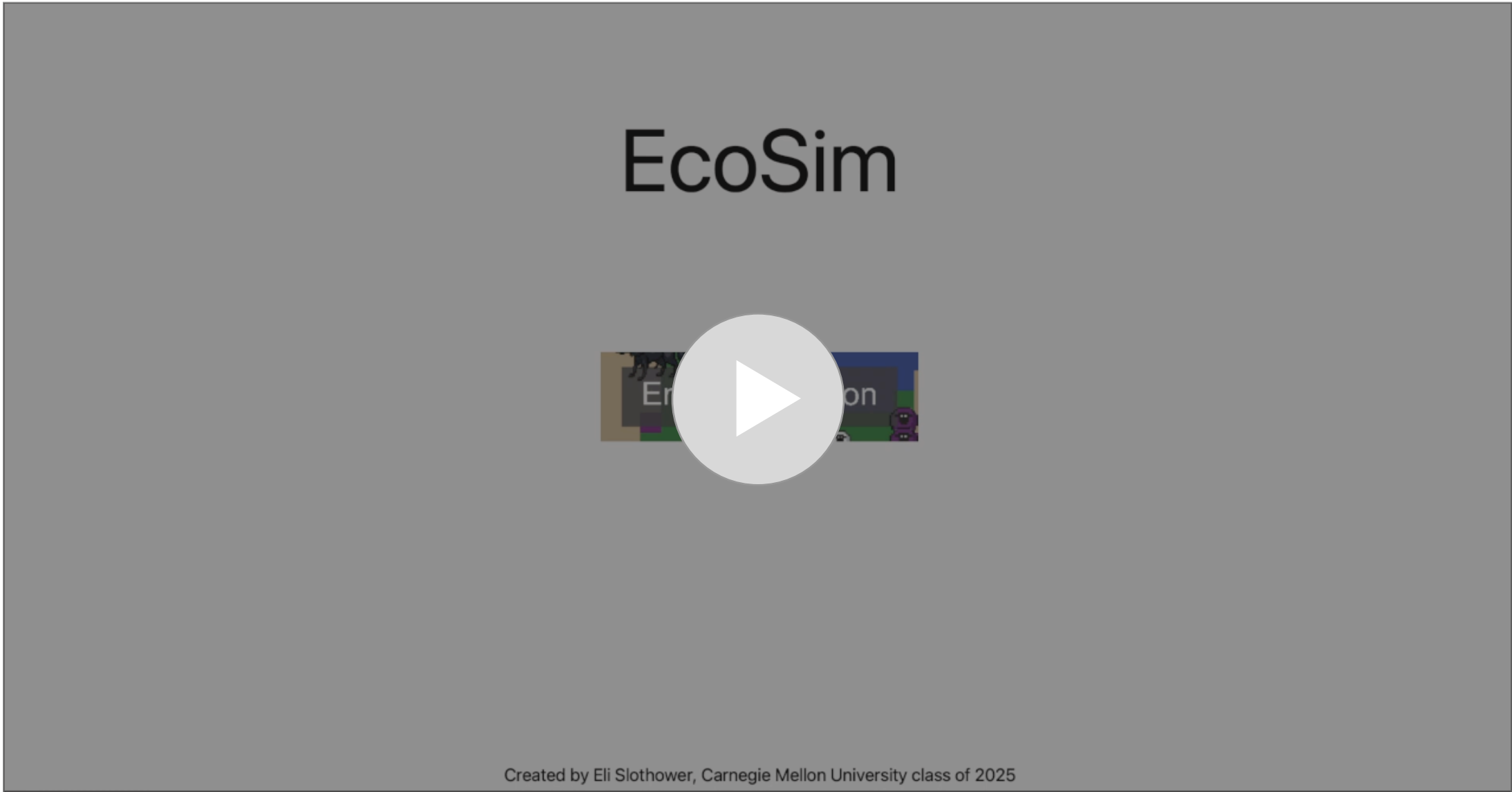
Here’s my resume and contact information.

[View my resume](#)

[Email me](#)

EcoSim

 [EcoSim on GitHub](#)  [Featured on CMU's 15-112 website](#)



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[View my GitHub](#)

Intrested in my work?

Here’s my resume and contact information.

[View my resume](#)

[Email me](#)