

Elizabeth Carney

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(240) 463-9858

Computer science graduate seeking software engineering role.

Especially interested in web development and machine translation.

Passionate about ethical, sustainable, and human-centered computing.

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Education

Smith College

Expected May 2021, Northampton, MA

B.A. in Computer Science with a minor in East Asian Languages and a concentration in Chinese-English Translation Studies.

GPA: 3.77/4.0

Relevant Coursework: Data Structures (Java), Computer Graphics (JS), Compiler Design (Java), Microprocessors and Assembly Language, Digital Circuits and Systems (C), Advanced CSS Concepts (HTML/CSS), Linguistics, Theory of Computation, User Interfaces (Python), Algorithms

Activities: Smithies in CS, STEAM outreach volunteer, musical theater

Capital Normal University

08/2019—12/2019, Study abroad at the Middlebury School in China

Studied linguistics, drama, history, and Classical Chinese in Beijing.

Experience

Workshop for Avida-ED Software Development Intern

Michigan State University BEACON Center

05/2020—07/2020, Remote

- Updated a C++ wrapper for D3.js data visualizations in web apps created with Empirical and Emscripten. Wrote docs and [blog post](#).
- Wrote thorough tests with Karma and Mocha for wrapped modules.

Per Enge Memorial Intern in Software Development

Amida Technology Solutions

06/2019—08/2019, Washington, D.C.

- Created two Flask endpoints for Word-to-Excel data-mapping API.
- Wrote automated tests for Pandas dataframe GUI using Pytest-Qt.

Prototyping Studio Design Partner

Smith College Design Thinking Initiative

09/2018—Present, Northampton, MA

- Lead design thinking workshops and teach students how to use makerspace equipment. Assist with ideation and project creation.

Awards







Facebook's Social Good Hack • TechTogether 2020 • [fAMIEly](#) Slack bot
Global Nominee • NASA Space Apps 2020 • [MoonKit](#) 3D model viewer
Best Use of Data for Social Good • SheHacks 2018 • [Trash](#) data mapper

Skills

Programming Languages

Python 
HTML/CSS 
JavaScript 
Java 
C/Arduino 

Software and Hardware

Office 365 
G Suite 
CorelDraw 
3D printers 
Laser cutters 
Arduino/RPi 

Professional

- Efficient project manager
- Confident public speaker
- Supportive co-worker
- Driven problem-solver

Projects

Dream of the Red Chamber Website

05/2020

Designed and coded a [website](#) from scratch that explores symbolism in the great classical Chinese novel 红楼梦. Implemented modal pop-ups in JavaScript.

Facial Recognition Box

05/2019

Worked with a partner to [create a box](#) that opens when a certain person's face is recognized. Used Arduino for robotics and Raspberry Pi for facial recognition in OpenCV.