Elizabeth Carney

Computer science graduate seeking software engineering role. Especially interested in web development and machine translation. Passionate about ethical, sustainable, and human-centered computing. elizabethkcarney@gmail.com (240) 463-9858

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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 <u>blog post</u>.
- 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

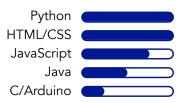
• Lead design thinking workshops and teach students how to use makerspace equipment. Assist with ideation and project creation.

Awards

Facebook's Social Good Hack • TechTogether 2020 • <u>fAMIEly</u> Slack bot Global Nominee • NASA Space Apps 2020 • <u>MoonKit</u> 3D model viewer Best Use of Data for Social Good • SheHacks 2018 • <u>\Trash</u> data mapper

Skills

Programming Languages



Software and Hardware



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.