Gustavo Diaz Banuelos

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Education

Carleton College   *Northfield, MN*

- **Bachelor of Arts in Computer Science**   *June 2021*
- **Schuler Scholar**: Selected to receive a four-year, $4,000 scholarship as part of college access and leadership program for highly motivated, college students
- **Relevant Coursework**: Software Design, Data Structures, Computability and Complexity, Computer Graphics, Programming Languages, Math of Computer Science, Calculus II, Hardware/Software Interface

Professional Experience

ITS Hardware/Helpdesk Technician, Carleton College, *Northfield, MN*   Sept. 2017 – present

- Lead development of new engagement program to increase productivity of current staff.
- Co-lead the development and restructuring of training programs for new technicians.
- Assist clients with hardware and software concerns/issues.
- Prepare hardware setups for college staff and manage hardware inventory on campus.

STEM Intern, Schuler Scholar Program, *Lake Forest,* IL   June – August 2019

- Developed and implemented STEM resource website.
- Researched and developed STEM programs for first generation college bound students.
- Lead Computer Science workshops for education professionals
- Facilitated in-person instruction to high school students for AB/BC Calculus.

Projects

Yoru Yomi, jp.gus-diaz.com   Dec. 2020 – present

- Personal website to teach elementary Japanese.
- Uses my AWS Apache2 server backend to make API calls to various Japanese dictionaries to dynamically generate readings, grammar, definitions, and audio files.

CS257: Software Design   Sept. – November 2018

- Built a website and an API that retrieved data from a database with SQL, Flask, and Python.
- Test driven development in collaborative teams to meet multiple deadlines.

CS251: Programming Language Design and Implementation   Sept. – November 2019

- Built a Scheme interpreter in C, using extensive testing methods.
- Collaborated with teammates to solve complex problems and to meet multiple deadlines.

Other

Schuler Scholar Campus Ambassador   Sept. 2018 – present

- Liaison between Schuler Scholar Program and students at Carleton.
- Hosted community building events for students on campus.

Skills

Languages: Spanish (native), Japanese (elementary)
Proficient in: Python, Java, JavaScript, C
Experience with: HTML, CSS, Flask, Apache2, Scheme, JSON
Technologies: AWS, GitHub, GitHub Pages, IntelliJ, SQL, Postgres