

JAKE TORRES

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EDUCATION

Columbia University

BS Computer Science

Aug 2021 – May 2025

New York, NY

Stargate High School

High School Diploma

Aug 2017 – May 2021

Thornton, CO

- GPA: 4.0 UW / 4.4 W

WORK EXPERIENCE

Code Ninjas

Code Sensei

Nov 2019 – June 2021

Broomfield, CO

- Taught kids aged 7-15 how to code in Python, Lua, JavaScript, HTML, C#, and Scratch through game making and fun. Helped run day to day in the center by cleaning and organizing events. Created an online curriculum during quarantine to run a Python class. Created camp curriculums and ran week and day camps. Made marketing material using Adobe Photoshop, Illustrator and Premiere to generate interest. Talked with parents during free information sessions and open houses to help students enter the program.

Colorado School of Mines

High School Intern

May 2020 – Aug 2020

Golden, CO

- Helped run online programs led by the Computer Science department during the summer. Taught Python to faculty, graduate students, professors and teachers around and in Colorado. Designed curriculum, course notes and assignments to be used. Documented curriculum and assignments to teach Python 102 in the 2021 school year at the Colorado School of Mines. Introduced 36+ students from grades 3-10 to computer science through STEM related activities and fields through videos, discussions and readings in a summer camp. Taught middle school students how to code through an algebra based programming language, Bootstrap. Helped manage the Computing For Good program where high school students could work on an application together to help the community. My group made a carbon footprint calculator.

Microsoft

TEALs Teacher Assistant

June 2021 – Present

Miami, FL

- Helped teach high school students how to code in Python.

SKILLS

- Languages: Spanish, Java, Python, C#, C, Lua, JavaScript, HTML, CSS, C++
- Programming Skills: Git/Github, Visual Studio, Eclipse, JetBrains/IntelliJ, Unity
- Other Relevant Skills: Adobe Suite(Photoshop, Premier, After Effects, Illustrator), Photo Editing, Problem Solving, Collaborating

PROJECTS AND RELEVANT ACTIVITIES

Faux: Brackeys 4 Game Jam C#, JSON, Visual Studio, Monogame, FMOD, Audacity, .NET Framework <https://jakasaurus.itch.io/faux>
Made a game in one week with a team. Placed 7th out of 2000 internationally.

GoGreen: HackMIT Project HTML, CSS, JavaScript <https://github.com/JakasaurusRex/GoGreen>
First Hackathon. A webapp that uses GoogleMaps API to tell you the environmental effects of different modes of transportation to your destination. Still being worked on.

Stargate Coding Club (2017 - 2021)

Attended weekly presentations on various computer science related topics. Participated in PicoCaptureTheFlag tournament, which involved finding flags hidden in images, files or websites using decryption, hacking and reverse engineering.

CyberPatriot (2019-2020)

Practiced weekly for competition hosted by the Air Force. Challenges working with a team to eliminate viral threats and correcting permissions on a computer.

NHS Digital Presence Officer (2020 - 2021) Adobe Suite

Managed all technical aspects websites, videos, and social media. Managed projects and helped organize events. Organized two NHS Inductions that were carried out online.

Bwog Staff Writer (2021 - Present)

Help write news for one of Columbia's student organized news websites.

<https://bwog.com/>

AWARDS AND HONORS

HSF Scholar

July 2021

Recognized my academic achievement and journey throughout high school and my hispanic heritage.

Outstanding Junior: Science

May 2020

Recognized my effort in science courses at my High School.