

Eric Gan

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EDUCATION

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| Carnegie Mellon University (CMU) Bachelor's Degree in Computer Science, Dean's List | Aug. 2019 – Present GPA: 3.76 |
| Thomas Jefferson High School for Science and Technology (TJHSST) Student on Computer Science track | Sept. 2015 – June 2019 Weighted GPA: 4.61 |

CAREER OBJECTIVE

Computer Science student with a strong passion for software engineering. Becoming a SWE intern would be the perfect way to start my career.

PROJECTS

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| Developing Python API (StackV) <i>Python, Swagger, Shell Scripts</i> <ul style="list-style-type: none">Worked as a student researcher in the Lawrence Berkeley National LaboratoryReviewed shell scripts for older product and converted into python scripts for the 2.0 productApplied new methods defined in the Swagger API into the new python scripts | Jan. 2021 – June. 2021 |
| Question-Answering Program <i>Python, NLTK Toolkit, Docker</i> <ul style="list-style-type: none">Applied core NLP concepts like dependency parsing and POS tagging to question-answer generationUtilized spacy library and language parsing for question generation, and the Facebook Infsent vector model and BERT language representation model for answer generation | Aug. 2020 – Dec. 2020 |
| Smart Maker Video Reflection Booth <i>Python, Pygame, Ffmpeg, Raspberry Pi</i> <ul style="list-style-type: none">Worked with Prof. Daragh Byrne as Research Assistant for HCI Dept at CMU to develop a video booth that aimed to use technology to increase reflective learning in classrooms (http://smartmakingtools.weebly.com)Programmed software and interface for the video booth and worked with clients tirelessly to fit their needs perfectlyImplemented useful features such as a passcode system, progress bars, and highlighted answer selections | Feb. 2020 – May 2020 |

EXPERIENCE

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| Software Development Engineering Intern Amazon <ul style="list-style-type: none">Worked in the inventory control team as a software development engineer and collaborated with a team of scientistsDeveloped new features for an internal tool that is used by the scientists to keep track of inventory control | May 2021 – Aug. 2021 Seattle, WA |
| 15-122 (Principles of Imperative Computation) Teaching Assistant Carnegie Mellon University School of Computer Science <ul style="list-style-type: none">Teach imperative programming in C in recitations and labs to classes of around 30 studentsAttend weekly staff meetings to discuss possible improvements to the course and to grade assignmentsHold office hours every week to help students with written homeworks, programming homeworks, and debugging | June 2020 – Present Pittsburgh, PA |
| Full Stack Development Intern TalkMeUp <ul style="list-style-type: none">Helped develop new 2.0 product and webpage by writing code that connected frontend and backendUtilized angular and react frameworks for programming, and MongoDB for database managementDeveloped backend schema to structure sending frontend data to the database | May 2020 – Aug. 2020 Pittsburgh, PA |
| Intern Trainee Cisco <ul style="list-style-type: none">Learned about networking, software, hardware, IoT, and information systems technologiesDevised IoT solutions to real world problems and then pitched the solutions to Larry Payne, Senior Vice President of Cisco | June 2018 – July 2018 Washington D.C, USA |

TECHNICAL SKILLS

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| Languages: Python, C, Java, HTML/CSS/Javascript, SQL | Frameworks: React, Node.js, Angular |
| Tools: Git, Docker, VS Code, LaTeX, MongoDB | Libraries: NLTK, OpenCV, Pygame, NumPy, Matplotlib |

RELEVANT COURSES

15-122 (Principles of Imperative Computation), 15-150 (Principles of Functional Programming), 15-213 (Introduction to Computer Systems), 11-411 (Natural Language Processing), 15-210 (Parallel and Sequential Data Structures and Algorithms), 15-330 (Introduction to Computer Security)