

Emily Fang

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SKILLS

- ❖ Python & C++
- ❖ RobotC coding & Automated Guided Vehicles building [VEX Robotics]
- ❖ G & M coding for Machinery: CNC mills [CNC Motion] and FlowArm [Robocell]
- ❖ Autodesk Inventor Certified Professional License [Highest proficiency in Production, Design, Drafting, CAD, CAM]
- ❖ Experience working with CNC mills, Laser cutters, Plasma cutters, Chop & Band saw, Drill press, Belt & Table sander, VEX Robotics, Power tools, and Hand tools.
- ❖ Unix/Linux
- ❖ Makerware - 3D Printing
- ❖ Woodworking
- ❖ Microsoft Office/ Word/ Powerpoint/ Excel

EDUCATION

City University of New York – Hunter College
Bachelor of Arts, Computer Science
(Expected May 2022)

Honors Daedalus Scholar, Dean's List

Coursework: Intro to Computer Science

Brooklyn Technical High School, Brooklyn, NY
Industrial Design Major (June 2018)

NYSED Career & Technical Education Diploma

Makerspace Club [Secretary] (Jun 2017)

Coursework: *Career and Financial Management, Computer-Integrated Manufacturing, Product Design and Methods of Fabrication, Advanced Digital Modeling, PLTW Engineering Design & Development*

WORK EXPERIENCE

[August 2018] App Developer, Cornell Tech WITNY Summer Guild [Microsoft], Manhattan, New York

- Lead an application development and survey team under the guidance of Verizon mentors.
- Received 40 hours of instruction of HTML, CSS, Javascript, and Figma under software engineers.
- Developed an app to aid people struggling with addiction.

[June-August 2018] Camp Counselor, Happyland Camp, Brooklyn, New York

- Encouraged participation, teamwork, and sportsmanship of all students while maintaining order.
- Compiled and recorded projects, assignments, and presentations of all students.

[November 2017-June 2018] Private Tutor & Tutoring Counselor, Happyland Camp, Brooklyn, New York

- Planned and developed Common Core writing oriented lessons and assignments.
- Assessed and graded students' core subject assignments.

[July-August 2017] After-school Teacher Assistant, Angel Advantage Center, Brooklyn, New York

- Compiled and archived progress reports and graded assignments [Grades KG – 3rd.].
- Assisted fellow co-workers with grading assignments and archiving progress reports and attendance.

[July-August 2016] Teacher Assistant (ESL), Angel Advantage Center, Brooklyn, New York

- Compiled and archived progress reports and graded assignments [ESL, 2nd grade, 4th grade].
- Developed lesson plans for ESL students [1st - 7th grade].