

Yuki Fang

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Current Address:	Permanent Address:
1931 Duffield St.	873 53 rd St
2055 Sanford House	Fl 2
Ann Arbor, Mi 48109	Brooklyn, NY 11220

EDUCATION

University of Michigan - Ann Arbor
Computer Science Major
Expected Graduation May 2022

Brooklyn Technical High School
Graduated June 2018
> **GPA:** 4.0 | **Honors** (all years)

SKILLS & COURSEWORK

- > **Coding:** C++, Java, Python, MATLAB, HTML/CSS/JavaScript, React Native, LabVIEW, Arduino, ROBOTC, G&M Machine Code, Git, APIs & libraries
- > **Computer:** Microsoft Office, Google Suite, Adobe Premiere Pro, Autodesk Inventor, Linux
- > **Robotics:** Built and programmed a robot that plays checkers with humans using computer vision, AI, and sensors; Knows how to operate CNC milling machines, laser cutters, 3D printers, and power tools
- > **Languages:** Cantonese (Proficient), Mandarin (Intermediate), Spanish (Basic)
- > **Coursework:** Engineering 101, Calculus 3, AP Java, Robotics Engineering, Computer Integrated Manufacturing, PLTW Design and Drafting for Production, PLTW Digital Electronics, AP Statistics, AP BC Calculus, AP World History

AWARDS & CERTIFICATIONS

- > **Walt Disney Company Scholar:** Asian Pacific Islander American Scholarship Fund
- > **PSAL Fencing Foils Finalist**
- > **Autodesk Certified Professional**
- > **National Honor Society:** Most Committed BTHS Member of 2017

WORK EXPERIENCE

University of Michigan Ann Arbor, MI
Batik Bot Research Assistant September 2018 – Present

- > Merging code with traditional artisanal work by developing a suite of design tools, called CSDT, that teaches locals in Africa how to code designs native to their culture and crafts work
- > Developing an educational program aimed to bring more STEM opportunities to Africa and students in Detroit
- > Building a robot out of e-waste that translates these coded designs onto textiles using a wax resistant dye process called batik, so locals can preserve their traditions with technology and also advance their skills in a technologically advanced world (using C++, Snap, and Arduino)

BlackRock, Inc. New York, NY
Strategic Product Management Intern Summer 2018

- > Developed a Python tool that automated data analysis and visualization for third party databases, making the analysis of key industry and competitor trends across all asset classes easier and more efficient
- > Researched and presented investment strategies to senior stakeholders within the company to drive strategic initiatives

Good Fortune Tuition Center Brooklyn, NY
Tutor May 2016 - August 2016

- > Mentored elementary school students in Math, Art, and English
- > Constructed a curriculum to revolve around each student's needs
- > Communicated with every parent to address student's progress

LEADERSHIP & ACTIVITIES

RxN Dance Crew Ann Arbor, MI
Choreographer September 2018 – Present

- > Leading, choreographing, and performing with a multicultural dance crew on campus to spread our Asian culture and identity

PadPals Brooklyn, NY
Cofounder & Leader December 2017 - Present

- > Founded an initiative that collects pads and tampons through school drives across the city for homeless women
- > Donated over 1500 menstruation products to homeless shelters across NYC in order to provide better sanitation and hygiene

Girls Who Code Club Brooklyn, NY
Mentor, Board Member 2016 - 2018

- > Empowered girls to close the gender gap in the tech industry by holding weekly workshops teaching them to code and work in a project based curriculum
- > Organized annual hackathon at Brooklyn Tech to foster an inclusive environment for creators to innovate and learn
- > Built a web game that raises awareness on reducing food waste

Helping the Homeless Club Brooklyn, NY
Volunteer 2014 - 2016

- > Distributed toiletries, clothes, and other necessities to homeless people in NYC through monthly morning runs
- > Volunteered at soup kitchens and fundraisers