

# Yuki Fang

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Current Address:	Permanent Address:
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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, Django, MATLAB, HTML/CSS/JavaScript, React Native, Android Studio, LabVIEW, Arduino, ROBOTC, G&M Machine Code, Git, APIs
- > **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 Ghana coding skills they can use 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