

# Christopher Barnes

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## EDUCATION

Make School, San Francisco, CA: *B.S. Applied Computer Science (expected Spring 2021)*  
Pierce College, Puyallup, WA: *Associate of Science-Track 2 (AS-T) degree: June 2019*

## TECHNICAL SKILLS

Java, JavaScript, Python, Django, APIs, Node.js, Flask, Swift, Jupyter Notebook & Data Analysis

## HIGHLIGHTS

- 7+ years of Engineering and Computer Science background in robotics automation.
- 4+ Years of experience in analytical, technical, and communication skills from a Technical Writing, Effective Communication and Software Product Development.
- Phi Theta Kaphon (International Honor Society of two-year colleges)
- People's Choice Award (Nomination of Graham Kapowsin High School)

## ENGINEERING PROJECTS

37 Boroughs (Django, Postgres, APIs - *Backend*)

- As the Backend Developer, I built a Django website for users to uploads photos of the 37 Boroughs (neighborhoods) of San Francisco. The inspiration was to help travelers not fall into the common tourist trap and to give the community a platform to share some of their favorite getaway destinations or gems of a location.
- I managed the Postgres database and the development of the Django code foundation, while my teammate gathered initial photos and research for the area.

myCity (Swift, Django, APIs - *PM & Backend*)

- As the Product Manager I oversaw the development of a Django site focused on Swift (mobile) integrations. myCity is an educational app to keep you informed of available support resources, your legal rights & local laws.
- I managed the Paperwork, Team Logistics, Postgres database and the development of the Django code, while my teammate gathered research for the area and set up the Swift code foundation.

## INDUSTRY COLLABORATION EXPERIENCE

New Harmony Cafe

San Francisco, CA

*PM & Backend*

Aug 2020 - Dec 2020

- Social Impact, Map, Design, app-dev, db. Built an app to take a picture and report an issue. The app used the data on the image itself to geolocate it in an area. This app could also be used to crowdsource data like homeless encampments, graffiti, etc around a city or by employees to report facility issues like broken lights, etc.

## VOLUNTEER EXPERIENCE

Bethel School District Tech Fair

San Francisco, CA

*Booth Assistant*

March 2017

- Built a robot for Graham Kapowsin High School's Robotics Club and presented it at First Robotics Competition(FRC): First Strong Hold(2016), First Power Up(2018), Destination Deep Space(2019).
- Provided CNC laserjet printer samples, displayed a 3D printer in action.

*Finnish American Folk Festival*

Naselle, WA

*Setup Assistant*

Jan 2016

- Advertised via handouts and flyers, Delivered floral decorations & Coordinated booth setup and removal,
- Assisted ~20 guests around the festival addressing any of their questions or concerns.