

# Peter Ho

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## Education

### **University of Maryland, College Park**

Science and Global Change Scholars Program

Bachelor of Science, Computer Science and Mathematics

Fall 2018 – Spring 2022

## Professional Experience

### **PayPal**

*Incoming Backend Software Engineering Intern*

Summer 2020

### **Terrapin Works**

*Makerbot Innovation Center Lab Manager*

- Process, splice, and start 3D print requests
- Assist customers with CAD design issues
- Maintain and repair 3D printers and parts

*Software Developer*

- Develop and maintain in house software projects for the organization
- Build a variety of external client projects from web applications to app development

March 2019 – Present

### **Johns Hopkins Applied Physics Laboratory**

*Asymmetric Operations Sector Intern*

- Designed and built a sentiment analysis algorithm using various techniques – trained and tested the model on live Twitter data using the Tweepy python library to calculate sentiment of tweets

*Space Exploration Sector Intern*

- Led a team of interns to develop, improve, and maintain an inventory management used by members of my mentor's team – system was created using Java

Fall 2016 – Spring 2018

### **Chateau Ridge LLC**

*Software Developer*

- Developed a more efficient way of billing tenants for a real estate company based in Baltimore
- Installed meters that recorded data about utilities usage of each apartment
- Built a program in Java that connected via FTP to these meters, downloaded and stored the data in an AWS database, and automated the billing process

June 2017 – July 2018

## Other Experience

### **University of Maryland Department of Computer Science**

*Computer Science Student Ambassador*

- Attend recruitment and prospective student events help by the department to talk to students about the University and the department
- Have scheduled one-on-one meetings with students and their families to answer any questions they may have

Spring 2020 – Present

### **Science and Global Change Scholars Program**

*Peer Mentor*

- Guide mentees as they transition to college life and give advice/answer any questions they may have
- Equip mentees with academic information and engagement opportunities
- Plan and hold events to help them become closer with each other and more familiar with the university

Fall 2019 – Present

## Skills

Languages: Java, Python, C, Android Studio, HTML/CSS

Technologies: Flask, Docker, Git, Matlab, Arduino, Raspberry Pi, AWS, PyTorch