



# Matthew Pham

Student

College freshman interested in computer science and technology. Seeking an internship for Summer 2019 to gain industry experience.



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## CURRENT & PREVIOUS TECHNICAL COURSEWORK

**ECE 120** (Introduction to Computing) Honors

**CS 196** (Freshman Honors)

**MATH 241** (Calculus III)

**CS 173** (Discrete Structures)

**ECE 110** (Introduction to Electronics)

**ECE 220** (Computer Systems & Programming)

## PROGRAMMING LANGUAGES

Java



C++



C#



Python



HTML



## WORK EXPERIENCE

### Summer Intern (2 Summers)

Manutronics, Inc.

June 2016 – July 2016, May 2017 – July 2017

Milpitas, CA

Printed Circuit Board manufacturing company contracted by companies such as Qualcomm, Kingston, and Broadcom.

#### Achievements/Tasks

- Oversaw the production of Printed Circuit Boards; managed a Surface Mount Technology pick and place machine.
- Ensured the quality of each circuit board; programmed each board and packaged the boards to send to customers.
- Diagnosed malfunctioning systems, equipment, and electrical parts, via using test equipment to identify the cause of breakdown.

## ACTIVITIES

FIRST Robotics Team 2854 (EVHS Robotics) (August 2014 – May 2018)

**FRC Lead, Safety Captain, FRC Programmer** – Was a lead of the FRC team, learned how to develop robot code using FRC's WPILib Java API, and established a successful team safety program. Designed, created, and implemented curriculum for robotics outreach in the local community.

EVHS Young Entrepreneurship Club (August 2017 – May 2018)

**Vice President** – Organized a fundraising event at EVHS' Winterfest to educate club members on business practices.

Walden West Outdoor Science School (February 2017)

**Cabin Leader** – Volunteered as a cabin leader for 5th and 6th grade students at science camp. Facilitated various activities for the students as well as monitored them in cabins during the night.

Stanford University High School Science Circle (2016 - 2017)

Attended biweekly Science Circle meetings at Stanford University to discuss topics in science. Collaborated with peers regarding topics ranging from gravitational waves to surgical robotics.

## EDUCATION

### Computer Engineering (Bachelor of Science)

University of Illinois at Urbana-Champaign

August 2018 – May 2022

Champaign, IL

### High School Diploma (Magna Cum Laude)

Evergreen Valley High School

August 2014 – May 2018

San Jose, CA

## ACHIEVEMENTS

FIRST Robotics Competition Regional Engineering Inspiration Award (March 2018)

Award that celebrates outstanding success in advancing respect and appreciation for engineering within a team's school and community. Qualified FRC Team 2854 for the 2018 FIRST Robotics Championship in Houston, TX.

API World 2017

1st Place Winner of the Dell Boomi Challenge at the largest API Integration Hackathon in the nation.

Integrate 2015

2nd Place Winner of the NetApp Challenge at the largest API Integration Hackathon in the nation.