

# Chandler Kilpatrick

📞 224-500-1929

@ crskilpatrick807@gmail.com

🔗 [GitHub.com/ChandlerKilpatrick1](https://github.com/ChandlerKilpatrick1)

📍 Mountain View

## EXPERIENCE

### Software Engineering Intern

#### National Aeronautics and Space Administration

📅 03/2019 - Ongoing 📍 NASA Ames Research Center

- Building a Van Der Pol Tag(VDPT) implementation using the Julia programming language.
- Wrote a validation framework for LPDM( a state of the art Partially Observed Markov Decision Process solver
- Updated unit tests to ensure consistent code quality.
- Summer 2019: Full time
- Fall 2019: Part time

### NASA L' Space Academy

#### National Aeronautics and Space Administration

📅 01/2019 - 05/2019

- This program is designed to help gain greater insight and skills in NASA mission protocols, procedures, and practices as well as provide an opportunity to work within an interdisciplinary, co-located team of students that are passionate about science and engineering.
- Focused mission design on NASA's Lucy Mission.

### Support Staff

#### Arlington Heights Park District

📅 2014 - 2018 📍 Arlington Heights

- Filled the following positions: T-ball Coach, Cashier, Boathouse Staff, Baseball Umpire, Basketball Referee, Basketball Scorekeeper, Front Desk Admin, and Concession Staff.
- Across all of my positions, I utilized conflict resolution, ensured a positive customer experience, and learned how to balance school and work.

## TECHNICAL SKILLS

Java Programming

iOS App Development

Julia Programming

SolidWorks Modeling

CREO Modeling

Autodesk Inventor Modeling

## EDUCATION

### Bachelor of Applied Arts and Sciences, Data Analytics, Mathematical Sciences, and Neuroscience

#### University of Pennsylvania

📅 09/2019 - Ongoing

- Transfer Student for Fall 2019.

### Bachelor of Science, Mechanical Engineering

#### San Diego State University

📅 08/2018 - 05/2019

### High School Diploma

#### Buffalo Grove High School

📅 08/2014 - 05/2018

- 4 year member of the Football team
- 7 Semester Honor Roll
- 3 year track team member
- Honors Program for Mathematics

## VOLUNTEERING

### Eagle Scout

#### Boy Scouts of America

📅 2011 - 2017

One of the core components of being an Eagle Scout is giving back. For my Eagle Project, I organized and successfully implemented a book drive for underprivileged children through an organization called Bernies Books.

We were able to collect and donate thousands of children's books given to us by the local community.

I was also able to act as a mentor to the first year Scouts and help them advance through required ranks.

Participated in hundreds of hours of volunteering and ultimately obtained the rank of Eagle Scout.