

# Matthew Blanco

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## SKILLS

Time Management

Leadership

Public Speaking

Communication

Problem Solving

Teaching

Design

Quick Learner

## Computer Skills

Java

Git

Markdown

Alluxio

Python

Racket

Command Line

Functional Programming

Adobe Suite

## AWARDS

Eagle Scout

Max Thomas Explore the

World Scholarship

## LANGUAGES

English

Candidate for BS in Computer Science and Design  
at Northeastern University



## EXPERIENCE

Alluxio, San Mateo, CA— Software Engineer Intern

July 2019 - August 2019

- Worked on workflows to improve metrics collection, documentation & documentation generation by using Java, Git, CLI, Markdown. and Docker
- Wrote a [blog post](#) about setting up new metric collection software with Alluxio
- Participated in daily engineering “standups” to report project progress and presented completed projects to coworkers

FRC Team 1647 The Iron Devils, Shamong, NJ— Software Lead

January 2018 - March 2019

- Programmed the robot for the 2019 season using Java and a library provided by WPI
- Taught the rest of the software team of eight people Java and how to code an FRC robot
- Presented in front of 100+ people of engineers and students about how our robot was programmed

Scout Troop 2048, Medford Lakes, NJ

February 2011 - March 2019

- Served in several leadership positions such as: Senior Patrol Leader, Assistant Senior Patrol Leader, Patrol Leader, and Librarian
- Led group of 30+ young boys and was a proven leader within the troop
- Constant communication with adults and role model to younger Scouts

## EDUCATION

Northeastern University, Boston, MA— Computer Science and Design

September 2019 - Present

5 Year plan with 3 co-ops

GPA: 3.41

Extracurriculars: NUHOC (Huskiers and Outing Club)

Relevant Classes: CS Fundamentals, Discrete Structures, 2D Fundamentals

Shawnee High School, Medford, NJ— High School Diploma

September 2019 - June 2019

Class Rank: 96/381

GPA: 3.65

Extracurriculars: Cross Country, International Current Events, FRC Robotics, Winter Track

## PROJECTS

[FRC Swerve Drivetrain](#)— Java Project

- Involves complicated mathematics using gyros, encoders, and sensors to have full strafing and turning abilities with specifically calculated speeds and angles
- Not quite finished but provides a strong foundation for further development in the 2020 season

