

# Nick Mosher

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## Education, Honors, and Awards

GPA: 3.6

Software Engineering student at Rochester Institute of Technology (2015 - 2020).

RIT Presidential Scholarship, RIT Computing Medal Scholarship, Redcom Software Engineering Scholarship.

RIT Dean's List Fall 2015, Spring 2016.

Member of Computer Science House at RIT.

## Skills

**Languages:** Java, ES6 Javascript/React JSX, C, Rust, Kotlin, Python

**Tools:** Bash/Zsh, Git/Github, Maven/Gradle, Make, Travis CI

**Platforms:** macOS, Linux, Windows. Android, Embedded systems

## Work Experience

Software engineering co-op at **Intuit**

**June - December 2017**

Developed a client library for tracking user actions in web applications using ES6 javascript and webpack.

Developed an ingestion server for tracking data using Kotlin and Apache Spark.

Software engineering intern at **Constant Contact**

**June - July 2016**

Worked on an email backend system. Used Java 8 and Maven, learned about restful APIs. Used team-oriented git workflows (fork/PR, Jenkins CI), participated in team Scrum process.

Day counselor at **Virginia Space Flight Academy**

**June - August 2015**

Taught campers aged 11-17 about basic robotics using Lego Mindstorms and Arduino. Topics included sensor feedback, basic control flow, and a brief introduction to the PID closed-loop control algorithm.

Intern at **NASA Wallops Flight Facility**

**June - August 2014**

Designed a pictorial layout and gathered documentation for a high-pressure gaseous oxygen system for use on a C-130 research aircraft. Used Autodesk Inventor for modeling.

## Other Experience and Independent Projects

Pulse Audio Puppeteer

**Spring 2017**

Web app and api for controlling pulse audio configurations. [github.com/nicholastmosher/pa\\_puppeteer](https://github.com/nicholastmosher/pa_puppeteer)

Apple iOS App Challenge at RIT

**January 2016**

Learned basic iOS app development using Swift over a four-day hackathon. [github.com/nicholastmosher/DQR](https://github.com/nicholastmosher/DQR)

Easycom Android Library

**2015 - 2016**

A library for interface-independent control of networked projects. [github.com/nicholastmosher/easycom-core](https://github.com/nicholastmosher/easycom-core)

Kudos Robot

**August 2014**

A simple but versatile robotics platform. [nicholastmosher.com/Kudos](http://nicholastmosher.com/Kudos)

FIRST Robotics Team 1829 "The Carbonauts"

**2011 - 2015**

Served leadership roles doing programming, electrical, and mechanical work for robotics. <http://a360.co/1FyOoYP>

A current version of this resume may be found at [nicholastmosher.com/Resume.pdf](http://nicholastmosher.com/Resume.pdf).