

Nick Mosher

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Education, Honors, and Awards

GPA: 3.8

Software Engineering student at Rochester Institute of Technology (2015 - 2020).
Recipient of RIT **Presidential** Scholarship, RIT **Computing Medal** Scholarship, **Redcom** Software Engineering Scholarship.
Member of RIT **Dean's List** Fall 2015, Spring 2016.
Member of **Computer Science House** at RIT.

Work Experience

Software Engineering Intern at Intuit *June 2107 - Present*

Software Engineering Intern at Constant Contact (now Endurance) *June - July 2016*

Worked on an email backend development team. Used Java 8 and Maven, learned about RESTful services and team-based git workflow (fork/PR, rebasing, etc), and participated in team Scrum meetings and processes.

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.

Internship 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

Apple iOS App Challenge at RIT *January 2016*

Learned basic iOS app development using Swift in Xcode over a four-day hackathon with guidance from Apple employees. Submitted iOS game "Death by QR" for judging.

github.com/nicholastmosher/DQR

Easycom Library *2015 - 2016*

An Android library for establishing interface-independent control for networked projects. Easycom harnesses polymorphism to grant a protocol independent interaction with Bluetooth and TCP/IP data streams.

github.com/nicholastmosher/easycom-core

Kudos *August 2014*

A simple but versatile robotics platform. Kudos is an open-frame all-terrain robot designed in Autodesk Fusion 360 and controlled with an Arduino receiving from an Xbox 360 wireless remote.

nicholastmosher.com/Kudos

FIRST Robotics Team 1829 "The Carbonauts" *2011 - 2015*

Programmed five robots using LabVIEW and Java; designed, fabricated and assembled mechanical systems; and guided teammates through an iterative design process for solving yearly challenges.

Skills (languages, platforms, tools)

Java (Advanced)
React/EMCA6 (Proficient)
C (Proficient)
Rust (Novice)

Linux (debian, fedora)
OSX
Windows

git, bash, cmd.exe, ssh, vim, tmux,
npm, IntelliJ

A current version of this resume may be found at nicholastmosher.com/Resume.pdf.