Nick Mosher

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Skills

Languages: Rust, Scala, Java, ES6 Javascript/React JSX, C, 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 Scala 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, control flow, and an introduction to the PID control algorithm. github.com/nicholastmosher/PID

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

Flipper.io   **2017 - 2018**
    Learned Rust to build the Flipper console for interacting with embedded hardware.
    github.com/flipper-io (coming 2/8/18)

React, Redux, and Router seminar   **Spring 2017**
    Gave a seminar on React as a CSH major project. https://slides.com/nicholastmosher/react-redux-and-router

Apple iOS App Challenge at RIT   **January 2016**
    Learned basic iOS app development using Swift over a four-day hackathon. github.com/nicholastmosher/DQR

Easycom Android Library   **2015 - 2016**
    Wrote a library for interface-independent control of networked projects. github.com/nicholastmosher/easycom-core

Kudos Robot   **August 2014**
    Built a simple but versatile robotics platform. 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

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.

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