NICHOLAS FELKER

EDUCATION

ROWAN UNIVERSITY, GLASSBORO, NJ   May 2017

- Cumulative GPA 3.474
- Bachelor of Science in **Electrical & Computer Engineering**
- Minor in **Computer Science**
- Thomas N. Bantivoglio **Honors** Concentration
- Currently pursuing **Masters in Electrical & Computer Engineering**

CLUBS

IEEE, New York section

- Vice Chair   February 2020 - Present

HONORS & AWARDS

- 1st Place at **PennApps**, the **world's largest university hackathon**   January 2017
- **Best Design Award** for IEEE Mobile Application Development Contest   September 2016
- Eagle Scout   June 2013

EMPLOYMENT

- **Developer Programs Engineer** at **Google**, Actions on Google   December 2018 - Present
- **Developer Programs Engineer** at **Google,** Android Things and Assistant SDK   May 2016 – December 2018
- Interned at **Google** doing Developer Relations for **IoT** and **Android TV**   May 2016 – August 2016
- **Web design** for Rowan University Psychology and Engineering Depts   August 2015 – May 2017

SKILLS

LANGUAGES:
Java, JavaScript, TypeScript, C, C++, Golang, HTML, PHP, Python, MATLAB, MATHEMATICA, C#, Verilog, MySQL, TI-Basic

SOFTWARE / HARDWARE:
Adobe Premiere / Illustrator / Photoshop / Audition, Microsoft Office, GSuite, TI-Spice, Arduino, Intel Edison, DE0 Nano, Raspberry Pi, Actions on Google, Firebase, Google Cloud

WEB FRAMEWORKS:
Node.js, Angular, jQuery, Bootstrap, Foundation, Polymer

ANDROID APPS:
Previously developed several Android apps that are available on the **Google Play Store** as "Felker Tech"
Contributes to open source projects on **GitHub** as "Fleker"

PROJECTS

CUBESAT, UNIVERSITY CLINIC PROJECT

- School project to develop CubeSat for testing novel memory technologies against radioactivity in space environments
- Led **Command & Data Handling team** to develop software core of satellite
- Launched in summer 2018

CYBERCRITTERS, PERSONAL PROJECT

- Designed a Tamagotchi-style Android Wear game
- Led a **successful Kickstarter campaign** to fund graphics for the game

TYPEDOC NEO THEME, OPEN SOURCE PROJECT AT GOOGLE

- Identified a number of readability issues in default reference doc theme for team's TypeScript-based library
- Created and published new theme with several improvements publicly on GitHub
- Project averages **>5K weekly downloads**, **adopted by Yarn** for their reference docs

SMART TATTOOS, PENNAPPS HACKATHON PROJECT

- Developed skin-safe **tattoo capacitive touch sensors**
- Communicated touch events **over BLE** to phone or laptop
- **Grand Prize**, **Best Hardware Hack**, and **Best Rapid Prototyping** awards

SAC ATTENDEE ANDROID APP, IEEE

- Student Activities Conference Region 2 was held at Rowan University in 2014 and 2017, with **26 visiting universities**
- Attendees required method of knowing upcoming events
- Led team to develop **Android, iOS, and web applications** for users to keep track of conference
- Built on a Firebase/PHP stack