NICK FELKER

Software Engineer

@ nickfelker@gmail.com   📞 (856) 347-0772   📍 New York, NY   in https://linkedin.com/in/nickfelker
https://github.com/fleker   🔗 https://felker.dev

WORK EXPERIENCE

Assistant DevRel
Google

📅 January 2019 – Present   📍 New York, NY

- Surfaced API issues and organized improvements
- Developed open-source tools and samples for developer community
- Managed summer interns to build new tooling for smart home platform
- Developed Chrome Extension for developers productivity

Smart Home | Voice Technology | Node.js | Management

IoT DevRel
Google

📅 June 2017 – January 2019   📍 Mountain View, CA

- Built samples, contributed to API of Android Things & Assistant SDK platforms
- Attended external corporate workshops and assisted interested developers

Embedded Software Design | AI | Voice Technology

Android TV Intern
Google

📅 May 2016 – Aug 2016   📍 Mountain View, CA

- Designed and published library for Live TV API

Android | API

EDUCATION

Masters in Electrical & Computer Engineering
Rowan University

📅 September 2019 – Ongoing   📍 Glassboro, NJ

- Classes include **SoC Design**, **Satellite Design**, **Blockchain**, **Fiber Optics**, and **Computer Architecture**

Bachelor in Electrical & Computer Engineering, Minor in Computer Science
Rowan University

📅 May 2017   📍 Glassboro, NJ

PROJECTS

Cubesat
University Clinic Project

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

Typedoc Neo Theme
Open Source Project at Google

- Created & published new open source theme with readability improvements
- Project averages **> 5K weekly downloads**, adopted for **Yarn reference docs**

Cyanobyte
Open Source Project at Google

- Open-source standardized spec for generating peripheral drivers

ACHIEVEMENTS

🏆 **First Place at PennApps**
Part of a team that developed skin-safe tattoo capacitive touch sensors, winning first place at world's largest univerisity hackathon.

Teamwork | BLE
Embedded Software Design
Project Management

🏆 **Best Design Award**
Built nutrition check-in Android app with ML-based camera scanner

Android | UI Design
Machine Learning

⛑ **Eagle Scout**

🏛 **Intellectual Property Award**
Filed ten defensive publications on machine learning applications

SKILLS

Languages
- Java, JavaScript, TypeScript, C, C++, Golang, HTML, PHP, Python, MATLAB, Mathematica, C#, Verilog, MySQL, TI-Basic, Chisel

Hardware
- Arduino, ESP32, Raspberry Pi, DE0 Nano FPGA

Software Services
- Actions on Google, Firebase, Google Cloud, Heroku

Frameworks
- Node.js, Angular, jQuery, Bootstrap, Polymer, Flask, Chipyard

Software
- Adobe Premiere / Illustrator / Photoshop / Audition, Microsoft Office, Google Workspace, TI-Spice

EXTRACURRICULARS

IEEE, New York Section
- Young Professionals, Vice Chair Feb 2020 – Present

OTHER INTERESTS

Fiction Writing | Coffee | Podcasts