

NICHOLAS FELKER

1225 Stafford Road
Glassboro, NJ 08028
<http://users.rowan.edu/~felkern0>

856-347-0772
nickfelker@gmail.com
<http://linkedin.com/in/nickfelker>

EDUCATION

ROWAN UNIVERSITY, GLASSBORO, NJ

- Anticipated Graduation May 2017
- Cumulative GPA 3.474
- Bachelor of Science in **Electrical & Computer Engineering**
- Minor in **Computer Science**
- Thomas N. Bantivoglio **Honors** Concentration

HONORS & AWARDS

- Best Design Award for IEEE Mobile Application Development Contest
- 2nd Place and Best Use of Intel Edison Awards at Dragon Hacks
- 2nd Place in IEEE Sumo Robot Competition
- Eagle Scout

SKILLS

LANGUAGES:

Java, JavaScript, HTML, PHP, MySQL, TI-Basic, Python, MATLAB, MATHEMATICA, C#, Verilog

SOFTWARE / HARDWARE:

Adobe Premiere, Illustrator, Photoshop, Audition, Microsoft Office, Google Drive, TI-Spice, Arduino, Intel Edison, DE0 Nano, Raspberry Pi

PROJECTS

MOBILE DATA COLLECTION APPLICATION, UNDERGRAD RESEARCH, DR. PARTH BHAVSAR

- Using a **Microsoft Kinect** to detect potholes in the road and wirelessly send a notification to a phone
- Developing communication format to collect various sensor data and sending it to a server

CYBERCRITTERS, PERSONAL PROJECT

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

LIGHTPAINTER'S PALETTE, DRAGON HACKS, DREXEL UNIVERSITY

- Used **Intel Edison** and **Microsoft Kinect** to develop a lightpainting tool at a hackathon
- Placed 2nd overall and received special recognition from Intel for best use of Edison
- Invited to and demoed at the **Intel Developer Forum** in August 2015
- Invited to and demoed at **Maker Faire** New York in September 2015

PROFESSIONAL SOCIETIES

IEEE

- Co-Head of planning an inaugural hackathon at Rowan University
- Hosting weekly software tutorials based around an **IoT Doorbell**
- Elected **webmaster** in December 2014, responsible for maintaining club website

CLUBS

HONORS JAZZ BAND

- Pianist October 2014 - Present

ROWAN POLITICAL SCIENCE ORGANIZATION

- Treasurer / Social Media Manager September 2014 - April 2015

EMPLOYMENT

- Interned at **Google** doing Developer Relations for **IoT** and **Android TV** May 2016 - Present
- Started a tech blog to highlight Android TV news, apps and games: **androidtv.news** September 2015 - Present
- Web design for Rowan University Psychology and Engineering Depts August 2015 - Present
- Redeveloped front and backend for **The Chef's Kitchen** website June 2015 - September 2015

WEB FRAMEWORKS:

Node.js,, jQuery, Bootstrap, Foundation, Polymer

ANDROID APPS:

Have developed several Android apps that are available on the **Google Play Store** as "Felker Tech"

Contributes to open source projects on **GitHub** as "Fleker"

SUMO ROBOT, IEEE COMPETITION

- Developed logic for robot using **Arduino** capable of knocking out other robots in a small ring for competition
- Placed 2nd

GOOGLE GLASS MEDICAL APPLICATION, UNDERGRAD RESEARCH, DR. GINA TANG

- Developed an app to display pertinent information to doctors while performing surgery
- Built applications for phone and **Google Glass** for data communication

SAC ATTENDEE ANDROID APP, IEEE

- Student Activities Conference Region 2 was held at Rowan University in 2014, with **26 visiting universities**
- Attendees required method of knowing upcoming events
- Developed **Android application** for users to keep track of conference

VOLUNTEERING

MATH TEAM

- Provide tutoring to college students who require assistance in Calculus, statistics, ODEs and lower-level classes

IEEE

- Volunteered at SAC in preparing for event and at the awards banquet
- Presented at open houses to prospective students