# Neil Patil

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## EXPERIENCE

**Software Engineering Intern - Google, Inc (Android Things Team)**          Summer 2017 (current)
- Migrating Android's Tap & Go setup system to a faster, more secure device-to-device protocol
- Implementing ability to switch from Bluetooth to Wifi Direct mid-connection to speed up data transfer

**Software Engineering Intern - Atlassian, Inc**          Summer 2016
- Created a Java Spring framework to monitor quality and reliability of user feedback data
- Improved systems for collecting feedback, creating Python + SQL systems to automate follow up emails

**Software Engineering Intern - Indeed, Inc**          Summer 2015
- Created a Javascript bookmarklet and Spring backend to auto-fill online job applications using a jobseeker's resume
- Developed a rule-based system to detect relevant form fields, and deployed project within Indeed's iOS app

**Software Engineering Intern - Indeed, Inc**          Summer 2014
- Prototyped a Django Python webapp and Android app for automatic resume-based job search

## EDUCATION

**Pursuing B.S. in Computer Science & Physics - The University of Texas at Austin**          2016 - 2020
Turing Scholars Honors Program          GPA: 3.87
Coursework: Computer Architecture, Data Structures, Competitive Programming, Operating Systems, Linear Algebra
          Machine Learning (Coursera), AI (Berkeley), Modern Physics, Classical Dynamics, Vector Calculus

## PROJECTS

**LASACTF Computer Security Contest - Co-Founder (lasactf.com)**          Jan 2016 - April 2016
- Online computer security competition for high school and college students, with 5000+ competitors worldwide
- Led a team of 10 to create the competition, developed/deployed website, and managed communication

**manaTEAMS - Team Lead, Developer (manateams.com)**          Aug 2014 - June 2016
- Chrome Extension + Android app to scrape data from online gradebooks, letting students easily check grades
- Acquired over 6000 users and recognized by the Austin ISD school district

**Automated Room (tinyurl.com/auto-room)**          August 2016 - Present
- Building internet devices to improve my dorm room (RFID lock, smart blinds, water alarm clock)

**Scrambler (tinyurl.com/scramblerdevice)**          June 2013 - March 2015
- Placed first nationally in an engineering competition to move an egg as quickly as possible without breaking it

## SKILLS

**Proficient:** Python, Java, C, Arduino, Git          **Familiar:** Tensorflow, SolidWorks, JS, frontend web dev, Spring
**Working Knowledge:** Octave, MongoDB, NodeJS, Django, mechanical fabrication

**INTERESTS:** Aerospace, Computer Security, Graphics/Simulation, Machine Learning, Mechanical Engineering

## EXTRACURRICULARS

**Information Systems & Security Society - Head of Engineering**          April 2017 - Present
**Turing Scholars Student Association - Corporate Officer**          March 2017 - Present
**UT ACM Competitive Programming Team**          August - December 2016
**Beevo Beekeeping Society**          January 2017 - Present