Neil Patil

neilpatil215@gmail.com
512-573-1063

github.com/patil215
linkedin.com/in/patil215

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