NIKHIL THOTA

813 – 760 – 1996 | nt92@ufl.edu
www.nikhilthota.com | github: /nt92

EDUCATION

University of Florida   Gainesville, FL
B.Sc. in Computer Science Engineering, Music Minor   *May 2019*
GPA: **3.79/4.0**

WORK EXPERIENCE

Software Engineering Intern, *Drawbridge*   May 2017 – Aug. 2017
San Francisco, California
- Built system to blacklist IP addresses above certain threshold of click-through rate to prevent fraud equaling $20,000 per month using custom MapReduce Java code.
- Added feature to bidding algorithm to improve granularity by 25%.
- Aggregated log files for the ML models and created unified log template in Java sent out through email daily.

Teaching Assistant, *University of Florida*   Aug. 2016 – Dec. 2016
- One of 4 TA's for 200+ students in COP3530: Data Structures & Algorithms.
- Formulated unique exercises to address student concerns, graded assignments & exams, held office hours twice a week, taught weekly discussion sections.

Software Engineering Intern, *Ultimate Software*   May 2016 – Aug. 2016
Weston, Florida
- Developed and tested front-end features for recruiting product utilizing Knockout.js, C#/.NET, and RabbitMQ.
- Created internal tool in Node.js for team of 30 developers to stay ahead of merge conflicts and saved 10 minutes on average per merge.

PROJECTS

Java Developer, *AVIAN*   Jan. 2017 – May 2017
- Built multithreaded JavaFX GUI application client to connect to a radio receiver with UDP and interact with 10 traffic light controller & autonomous car rigs.
- Multidisciplinary research project through UF CIMAR Lab with the purpose of optimizing traffic for autonomous vehicles through Machine Learning.

Director of Technology, *Swamphacks*   Apr. 2016 – Jan. 2017
- Managed team of 4 developers for UF's hackathon to build website (JS), mobile apps (iOS & Android), backend (Firebase), mentorship system (Python slackbot), demoing, and judging (standalone webapps).
- Constructed scalable login system for 500 hackers including QR scanner, calendar, real-time announcements & push notifications with Firebase.

iOS Developer, *Vente*   Feb. 2016 – May 2016
- Led team to make events app to connect people through shared activity interests.
- Developed in Swift and connected to Heroku server running Parse and MongoLab.

LEADERSHIP & INVOLVEMENT

- Podcast co-creator of Tuna Pasta
- Ambassador for **UF Engineering Ambassadors**
- Project Manager for **Association of Computer Engineers**
- Student Leader for **CodePath University**
- Salsero with the **Gator Salsa Club**
- Principal Bassoon player in **UF Symphony Orchestra**

AWARDS

University of Florida
- Anderson Scholar
- CISE Undergraduate Scholarship Recipient
- College of Engineering Scholarship Recipient

Gainesville Startup Weekend
- **IndeaVR**: 1st Place

HackIllinois 2016
- **FlushLess**: Best hack using emerging technology (IoT)

UF CodePath University
- **Vente**: 1st Place University of Florida CodePath University Demo

SKILLS

Languages/Framework
Java
Hive/Pig
Android
iOS/Swift
Python
SQL
HTML/CSS
Javascript

Tools
Hadoop & MapReduce
Oozie
Git
Agile/Scrum

COURSEWORK

Linear Algebra
Data Structures & Algorithms
Databases
Design Patterns
Software Engineering
Operating Systems
Analysis of Algorithms