NISARG PATEL

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Education

University of Maryland - *BSc Computer Science, Expected May 2019* — College Park, MD

- ACES - Advanced Cybersecurity Experience for Students — GPA: 3.9 / 4.0
- Undergraduate TA - Object-Orientated Programming II — Fall 2017

Work Experience

PayPal - *Software Development Intern* — Timonium, MD - Summer 2017

- Helped develop service to automate the tracking of PayPal Working Capital loan repayments
- Designed and deployed REST service simulators and clients to load test batch services

PrimeSolutions - *Software Engineering Intern* — Columbia, MD - Summer 2016

- Reverse engineered and sterilized prominent malware samples to develop targeted anti-malware solutions
- Worked as 5 man team using agile development with the Atlassian toolset (Jira, Confluence, Bitbucket)

US Army - *Software Development Intern* — Aberdeen, MD - Summer 2015

- Implemented a vision-based path-tracking algorithm for real-time location tracking on Android smartphones

Research

NSA - *Big Data Analysis of Yelp's Review Dataset* — University of Maryland - Spring 2016

- Performed large-scale Natural Language Processing to measure the legitimacy of the Yelp review dataset
- Worked as 2 man team with support from the NSA's Laboratory for Telecommunication Sciences

ACES - *Capturing Manned vs. Scripted Cyber-attacks* — University of Maryland - Spring 2016

- Calculated the effectiveness of manned vs. scripted cyber-attacks using custom-built honeypots

Technical Skills

Programming Languages:
- Java (4 years)
- Python (3 years)
- JavaScript (3 year)
- C/C++ (3 years)
- Bash/Linux (3 years)

Web Development:
- Node.js / Express.js
- jQuery
- MongoDB
- Docker and Nginx
- AWS

Frameworks/Libraries:
- Windows API
- Java Spring/Hibernate
- Android SDK
- OpenCV (Computer Vision)
- NLTK (Natural Language)

Notable Projects

DeadReckoning - *Offline Navigation App* — Personal Project

- Offline Android app capable of tracking phone location in real-time with only built-in phone sensors

USnoozeULose - *The Unforgiving Alarm Clock* — Capital One Hackathon

- Android alarm clock to motive snoozers to wake on time with mini-games and financial penalties