Neelima Pradhan

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EDUCATION

University of Maryland, College Park   Class of 2018
B.S. Computer Science   3.87 GPA
Honors Program- Advanced Cybersecurity Experience for Students(ACES)
Honors Program- Quality Enhancement Systems and Teams(QUEST)

EXPERIENCE

Nibbly – Software Development Intern   Summer 2015
- Developed the back-end of the iOS/Android application using Python, Flask micro framework and PostgreSQL, taking raw data from FourSquare, Yelp and NYtimes to build a curated deck of venues
- Redesigned UI for web version and implemented location search compatibility using HTML/CSS and JavaScript
- Implemented tutorial system to increase user session length by 28.5%.

UMD Center for Women in Computing – Cyber Ambassador   Sept 2014 – Mar 2015
- Mentor high school girls in UNIX/cybersecurity to inspire more young women to enter the field of computer science
- Attended weekly meetings to develop curriculums in front-end development technologies

PROJECTS

Tweetspire – Summer 2015   *Personal Project*

- Implemented a text-sentiment analysis on tweets to pinpoint negative tweets
- Build a web interface application using Flask, HTML, JQuery to allow people to send kind, inspirational replies

BlingShield – AT&T WITHack 2014   *Best Use of Vuzix/M2X APIs*

- Build an application and integrated voice activation for Vuzix glasses to act as a security tool
- Implemented arduino and M2X to create a visual graph of attacker distance with 98% accuracy

HerJobs – PearlHacks 2015   *Google Honorable mention*

- Integrated Google Maps API to create data-visualization represented by a heat map of companies with "women-friendly" environments

Honeypot Research

- Created intentionally vulnerable containers in OpenVZ for use as high interaction honeypots
- Wrote bash scripts and cron jobs to perform routine maintenance

SKILLS & RELEVANT COURSEWORK

Proficient: Java, HTML, CSS, Python, Flask Microframework

Familiar: JavaScript, UNIX, Git, Node.js, jQuery

Coursework: Object Oriented Programming I && II (data structures), Introduction to Computer Systems, Introduction to UNIX, Discrete Structures, Matlab