

Harsh Patel

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Education

University of Maryland, Baltimore County, Baltimore, MD
Bachelor of Science in Computer Science (3.37/4.0)

Expected Graduation: May 2020

Academic Coursework: Introduction to Computer Science 1 and 2; Differential, Integral, and Multivariable Calculus; Linear Algebra; Assembly and C Programming; Blockchain; Data Structures; Principles of Programming Languages; Advanced Cybersecurity Research; Operating Systems; Architecture; Computer Security; Artificial Intelligence; Computer Networks

Technical Skills

Tools: Atom, Bitbucket, Bitwise, dpkg-deb, Eclipse, Emacs, Github, GNU Utilities, MS Visual Studio, OpenVPN, pfSense, Sublime Text 3, tcpdump, VirtualBox, Wireshark, WinSCP

Database Management: MySQL, Sqlite3

Frameworks: Bootstrap, Django, Flask, Materialize, Semantic UI, UIKit

Languages: Assembly, C, C++, CSS, Golang (familiarity), HTML, JavaScript (familiarity), Python 3, SQL (familiarity)

Operating Systems: Debian based Linux distributions, Fedora, Windows Server R12, Windows 7/8/10

Cloud-Based Technologies: Amazon Web Services (familiarity), Docker, Google Cloud Computing

Relevant Organizations

HackUMBC - *Member of Student Board (Jan 2016 - Mar 2017)*

- Gained exposure to multiple frameworks such as Flask, Ruby on Rails, React, and Materialize, attended hackathons hosted by HackUMBC and volunteered during Spring 2017 hackathon.

Institute of Electrical and Electronics Engineers (*Aug 2016 - Mar 2017*)

- Gained proficiency in circuitry, proper soldering techniques, and Arduinos.
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Work Experience

Federal Data Systems - *Technology Intern (Jun 2017 - Present)*

- Design database and connect to MySQL database manager to Django application using python.
- Develop 3 containerized Flask based applications with SSL/TLS using Docker.
- Implement automated network intrusion detection using standard GNU utilities and Python 3.
- Package and develop 2 Web APIs using Flask, and dpkg-deb to create installable debian files.
- Lead technical intern team of 3 to develop web based Jeopardy style CTF using MIT's Quill and CTFd.

University of Maryland Baltimore County - *Undergraduate Teaching Assistant (Sep 2017 - Present)*

- Teach 20+ students core programming concepts using Python and core UNIX commands.
- Debug programming errors in assignments in order to better explain the program execution to students.

SmartHost Design Technologies - *Web and Marketing Intern (Dec 2016 - Jan 2017)*

- Merged client sites into a Bootstrap framework to increase User Experience on mobile devices.
- Implemented email and VoIP marketing campaign using Intrasoft, Hootsuite, and InfusionSoft
- Drafted mass emails, blog posts, complementary documents, and published social media posts which went out to 1000+ customers and clients.

COSONY - *IT Intern (Jun 2016 - Jul 2016)*

- Monitored over 20 different Dell servers using LogMeIn and Dell OpenManage software.
 - Constructed domain controller on a Hyper-V virtual server and assigned 8 users with different permissions and 4 mapped drives to corresponding users.
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Projects

Resume Website (*Jan 2019 - Present*)

- Develop my resume website using CSS, HTML, Jinga2, UIKit for the front-end and Flask and Sqlite3 for the back-end.
- Package and deploy using Docker and Google Cloud Computing.

First Robotics Competition (*Jan 2016 - May 2016*)

- Created an efficient team structure, and led a team of 16 students during a 6 week building period in order to design, construct, and program a robot. We received Highest Seeded Rookie, Rookie of the Year and, Inspiration awards at the Regional level.