

Akshay Chiwhane

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Education

University of Michigan

Ann Arbor, MI

B.S.E in Computer Science; GPA: 3.426/4.000

Sept. 2014 – Dec. 2017

- **Key Courses:** Operating Systems (EECS 482), Networks (EECS 489), Web Databases & Information Systems (EECS 485), Machine Learning (EECS 445), Intro to Artificial Intelligence (EECS 492), Data Structures and Algorithms (EECS 281)
- **IEEE at the University of Michigan:**
 - Projects Chair - Gained exposure to frontend development by redesigning organization website using Jekyll and GitHub Pages
 - Secretary - Helped plan, organize and communicate workshops and company-sponsored events for students
- **MHacks Core Team**
 - Backend Developer - Streamlined MHacks 8 registration process by developing REST API in Django to record QR code scans

Experience

Deepfield Networks

Ann Arbor, MI

Software Engineer Intern

May 2016 – Sept. 2016

- Improved speed and robustness of critical part of DDoS (Distributed Denial of Service) attack detection pipeline by architecting, developing, and optimizing DDoS analysis library using Python
- Gained familiarity with Agile and scrum (Atlassian Jira), test-driven development, and continuous integration methodologies (Jenkins)

Northrop Grumman

Arlington, VA

Extern

May 2015 – July 2015

- Simulated and evaluated packet scheduling schemes for content-centric networks using MATLAB
- Gained experience with project management and leadership skills through coursework

University of Michigan Information and Technology Services

Ann Arbor, MI

Student Technician

April 2015

- Diagnosed and resolved hardware, software, and networking problems with student, faculty, and staff computers brought to the Computer Showcase
- Upgraded, replaced, and moved computers and printers in the Campus Computing Sites labs

Skills

Programming Languages and Technologies: C++, C, Python, Java, Swift, MATLAB, Django, Tornado, Flask, Redis, MySQL, etcd, git, emacs, zsh, L^AT_EX

Computer and OS: GNU/Linux, OS X, Microsoft Windows 7/8/10

Languages: English (Fluent), Marathi (Fluent)

Projects

Calculator: A reverse Polish Notation calculator with graphing capabilities for iOS, written in Swift.

ReadHN: A Hacker News client for iOS, developed using Swift, Firebase, and AlamoFire.

PongWithMe: A game of pong where players use their phones to control paddles on a screen. Won 1st Place for the Best Use of Microsoft Platforms at MHacks IV.

Sunshine: A full-featured weather app for Android, completed as part of the “Developing for Android” Udacity course.