

Akshay Chiwhane

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Education

University of Michigan

Ann Arbor, MI

B.S.E in Computer Science; GPA: 3.497/4.000

September 2014 – April 2018 (Expected)

- **Key Courses:** Distributed Systems (Currently Enrolled), Operating Systems, Networks, Web Databases & Information Systems, Machine Learning, Artificial Intelligence, Computer Organization, Data Structures and Algorithms, Linear Algebra
- **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

DRW

Chicago, IL

Software Engineering Intern

June 2017 – August 2017

- Provided insight into new trading strategies for options markets by building distributed data analysis frameworks and tools for traders using Python
- Improved efficiency of trade capital monitoring system by writing Tableau Web Data Connectors and reverse proxies using JavaScript

Deepfield Networks

Ann Arbor, MI

Software Engineering Intern

May 2016 – September 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

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.

Skills

Programming Languages: C++, C, Python, Java, Go, MATLAB, Swift

Frameworks/Technologies: Django, Tornado, Flask, Redis, Jupyter Notebooks, scikit-learn, pandas, numpy, etcd, MySQL, PostgreSQL, slurm, Hadoop, MapReduce

Languages: English (Fluent), Marathi (Fluent)