

Akshay Chiwhane

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Education

University of Michigan

Ann Arbor, MI

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

Sept. 2014 – April 2018 (Expected)

- **Key Courses:** Operating Systems (EECS 482), Networks (EECS 489), Web Databases & Information Systems (EECS 485), Intro to 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

DRW

Chicago, IL

Software Engineering Intern

June 2017 - Aug. 2017

- Built data analysis frameworks and tools using Python, pandas, scipy, and slurm to assess and develop new trading strategies for options markets

Deepfield Networks

Ann Arbor, MI

Software Engineering 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

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.

RRTracer: A ray tracer written in Rust.

Skills

Programming Languages: C++, C, Python, Rust, Java

Frameworks/Technologies: Django, Tornado, Flask, Redis, Jupyter Notebooks, scikit-learn, pandas, numpy

Languages: English (Fluent), Marathi (Fluent)