

KARTIKEYAKANDULA

Full-Stack Software Engineer

🏠 www.kartikeyakandula.com

✉ kartkand@umich.edu

in [kartkeyakandula](#)

☎ 517 775 5639

Education

University of Michigan

2019 - 2020 // Ann Arbor, MI
M.S.E. in Computer Science Eng.

2016 - 2019 // Ann Arbor, MI
B.S.E. in Computer Science Eng.
Summa Cum Laude, 3.9 GPA
James B. Angell Scholar

Skills

Languages

C++, Python, Javascript, Matlab,
Java, HTML/CSS, SQL

Technologies

AWS, Neural Nets, React, Angular,
Node.js, D3.js, Flask, Java Spring

Tools

Bash, Git, Xcode, Sublime, IntelliJ

Design

Illustrator, Photoshop, InDesign,
After Effects, Xd, Balsamiq

Interactive Storytelling

Data visualization

Computer Vision

OpenCV, Tesseract

Projects

Comparison of Neural

Networks for Cancer

Compared performance of various
neural network architectures on
the identification of metastatic
cancer within images.

SFPD Data Visualization

Developed web app visualizing
publicly available dataset from the
San Francisco Police Department
using D3.js.

Experience

Software Development Intern @ Microsoft

May 2019 - August 2019 // Seattle, WA

- ▶ Worked on Excel for OSX as part of Experiences and Devices group
- ▶ Delivered new file recovery process that led to 13% drop in force quit rate
- ▶ Converted file recovery dialog from modal window to message bar within Excel

Technology Analyst Intern @ JPMorgan Chase

June 2018 - August 2018 // Chicago, IL

- ▶ Engineered Java Spring web application, implemented GraphQL API to consolidate data from existing microservices, systems
- ▶ Utilized MyBatis to couple objects with stored procedures and SQL statements
- ▶ Conducted user interviews to develop Balsamiq wireframes for frontend design
- ▶ Employed Elasticsearch to create search framework for backend of application

Programming Intern @ Delta Dental

May 2017 - August 2017 // Okemos, MI

- ▶ Implemented single sign-on process using LDAP for claims processing engine
- ▶ Developed feature to view, edit rules from multiple rule stores simultaneously

Activities

Research Publication @ E-Vote-ID

DEF CON 27 Presentation @ DEF CON Voting Village

August 2018 - Present // Ann Arbor, MI

- ▶ Led project developing attack on voting systems used in 2016 presidential elections that illustrated impracticality of image based post-election audits
- ▶ "UnclearBallot: Automated Image Manipulation" published in Springer LNCS as part of 4th International Joint Conference on Electronic Voting
- ▶ Presented at DEF CON 27 hacking conference in Las Vegas as part of Voting Village

Graduate Student Instructor @ EECS 183

August 2019 - Present // Ann Arbor, MI

- ▶ In charge of running EECS 183, among largest classes at Michigan at 1000+ students
- ▶ Responsibilities include handling course administration, holding office hours, instructing lab sections

Byte Labs Director @ MPowered Entrepreneurship

March 2018 - April 2019 // Ann Arbor, MI

- ▶ Managed the technology segment of MPowered Entrepreneurship
- ▶ Established consulting group, worked with StockX and San Francisco based startup
- ▶ Oversaw cloud infrastructure project exploring feasibility of Azure
- ▶ Developed full-stack React application integrating Elastic Beanstalk, API Gateway, Lambda, S3, DynamoDB services.

Hackathon First Place @ Capital One Software Summit

May 2018 // McLean, VA

- ▶ Developed web application, Kickback, that consolidates user's financials and uses previous transactions to recommend deals through collaborative filtering