

# Phillip Mathew

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## EDUCATION

**University of Michigan – College of Engineering (Ann Arbor, MI)**

**Bachelor of Engineering in Computer Science with a Minor in Statistics**

**Academic Standing: 2016 - 2020**

GPA: 3.25/4.0

Courses: Intro to Operating Systems, Data Structures and Algorithms, Intro to Computer Organization, Intro to Statistical Computing, Matrix Algebra, Intro to Probability, Discrete Math

## EXPERIENCE

### InstaGana Live

**Software Developer**

**(Cupertino, CA) May 2018 – Present**

- Built a Facebook Messenger chatbot using Node.js, Express, MongoDB, and AWS EC2 to assist the completion of the Software Development Life Cycle and release the organization's first public application
- Developed an admin console with a simple user interface using Keystone.js, an MVC framework, and deployed it to the web by exposing a local web server for administrators to easily perform CRUD operations on the database
- Created a REST API using Node.js and Postman to handle JSON queries sent through POST requests by returning the requested data from MongoDB to Messenger, which simplified frontend development of the Messenger chatbot

### Wolverine Sports Analytics

**Vice President**

**(Ann Arbor, MI) November 2016 – Present**

- Developed engines with Python scripts using machine learning libraries and tested them with multiple types of regression models to predict winning lineups for FanDuel, resulting in winnings of over \$2,500
- Built Python data scrapers using MySQL to automate the data collection process and decrease optimizer runtime

### Google and Michigan's Ross School of Business

**FinTech Analyst Extern**

**(Ann Arbor, MI – London, England) January 2018 – April 2018**

- Targeted pain points in Google's warranty claims process and evaluated feasibility of integrating Blockchain, IoT, and smart contracts to improve efficiency, resulting in the design of a basic application for a central warranty portal for Google users and a detailed 13-page research report presented to Business Risk and Insurance employees

### Excel Test Prep

**iOS Development Intern**

**(Fremont, CA) May 2017 – August 2017**

- Documented and created a score analytics app using Swift and JavaScript to display graphs and trends of students' test score history for standardized tests, and presented weekly updates to supervisors and other interns

## SKILLS/EXTRACURRICULAR COURSES

Proficient: C++, C

Intermediate: JavaScript, Node.js, Python, MongoDB, AWS EC2, Git

Beginner: R, Swift, Solidity, Java, HTML, CSS, Express, MySQL Workbench, Postman

Certifications: IBM Blockchain Essentials

Courses: Augmented Reality Apps with ARKit, Node.js, iOS 10 and Swift 3, CryptoZombies (Solidity Basics)

## SIDE PROJECTS

- iOS AR app that lets users tap and place video-playing screens anywhere with correct orientation using Euler angles
- Developed a landing page as a part-time web development intern for LEAP Worldwide using HTML and CSS
- Made a personal website using HTML, CSS, and JavaScript