

# Mathew Varughese

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in matvarughese

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## Education

### University of Pittsburgh

Honors College,  
B.S. Computer Science, Minor in  
Mathematics

**4.0 GPA** Expected April 2020

## Skills

**Languages:** JavaScript, HTML/CSS,  
Java, C, C++, SQL, Python

**Other:** Node.js, ReactJS, AngularJS,  
Express.js, SocketIO, SASS, MongoDB,  
Unix

**Tools:** Postman, Photoshop, Illustrator

## Projects

### Megabus Ticket Finder

Finds deals to save users up to 80%  
on bus tickets. ReactJS frontend shows  
cheapest tickets given a date range.  
Backend service sends email  
notifications triggered by price  
changes.

### NeuroLog

An interactive web diary for patients  
with mental health disorders built with  
AngularJS, Flask, and MySQL. Performs  
analysis on entries with IBM Watson  
(Artificial Intelligence).

### Deriver

Parses a mathematical string like  
"4x^3+(sinx)^3" and uses algorithm  
to calculate the derivative.

## Work

### JPMorgan Chase

Software Engineering Intern, CT Data Acquisition

Summer 2018

Houston, TX

- Description waiting completion of internship

### Interactive Multimedia Group

Full Stack Engineer

July 2015 – May 2018

Horsham, PA

- Launched six enterprise-level web applications, with a combined total of about 1000 daily users
- Communicated with clients and created JIRA tickets
- Developed offline-first data synchronization and change-tracking system with SocketIO, MySQL, MongoDB, and IndexedDB
- Contributed to in-house framework containing over 15,000 lines of unit-tested code called "NoInfoPath" which reduced application development time by about 60%
- Developed and co-architected a drag-and-drop web-application builder that generated NoInfoPath applications
- Researched new tools like SASS and Webpack in my free time and taught them to the team

## Awards & Activities

**Vice President** Pitt Computer Science Club

Current

**1<sup>st</sup>** at **JPMorgan Code for Good Hackathon**

November 2017

- Selected from ~1500 applicants to attend
- Team of 4 strangers
- Built AngularJS web portal to streamline scholarship nomination process for a non-profit

**2<sup>nd</sup>** at **Kent Hack Enough Hackathon**

October 2017

- 100 teams attended
- Team of 2 strangers
- Built FocusApp, a weekly goal tracker for Android and the web

**Salutatorian** of Hatboro-Horsham High School

June 2017

**President & Cofounder** of High School Computer Science Club