

MATHEW VARUGHESE

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EDUCATION

University of Pittsburgh

B.S. Computer Science, Minor in Mathematics **GPA: 4.0**

Pittsburgh, PA

Expected Graduation: April 2020

EXPERIENCE

JPMorgan Chase

Software Engineer Intern, CT Data Acquisition

Houston, TX

June 2018 | Aug 2018

- Awaiting completion

Interactive Multimedia Group

Fullstack Engineer

Horsham, PA

July 2015 | May 2018

- Launched six enterprise-level web applications, with a combined total of about 1000 daily users
- 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 personal time and taught them to the team
- Led client discussions and translated their requirements into JIRA tickets
- Worked on multiple projects simultaneously with strict deadlines and still managed to finish ahead of schedule
- Developed offline-first data synchronization and change-tracking system with SocketIO, MySQL, MongoDB, and IndexedDB

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

SELECTED PROJECTS

Megabus Ticket Finder

<https://github.com/varughese/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

<https://github.com/varughese/neuro-log>

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

<https://github.com/varughese/deriver>

Parses a mathematical string like “ $4x^3 + (\sin x)^3$ ” and uses algorithm to calculate the derivative.

AWARDS AND LEADERSHIP

Vice President of Pitt Computer Science Club

Current

1st at JPMorgan Code for Good Hackathon

Nov 2017

Built AngularJS web portal to streamline scholarship nomination process for a non-profit

2nd Place at Kent Hack Enough Hackathon

Oct 2017

Built FocusApp, a weekly goal tracker for Android and the web

Salutatorian of Hatboro Horsham High School

June 2017

President & Cofounder Computer Science Club of Hatboro-Horsham High School