

MATHEW VARUGHESE

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in matvarughese

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EDUCATION

University of Pittsburgh, Pittsburgh, PA
Honors College, B.S. in Computer Science, Minor in Mathematics

Projected Graduation MAY 2020
GPA 4.0

EXPERIENCE

JPMorgan Chase, Houston, TX
Incoming Software Engineer Intern

JUNE – AUG 2018

Interactive Multimedia Group, Horsham, PA
Full Stack Engineer

JULY 2015 – MAY 2018

- Launched six enterprise-level web applications, with a combined total of about 1000 daily users
- Worked on multiple projects simultaneously with strict deadlines and still managed to finish ahead of schedule
- Led client discussions and translated their requirements into 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 personal time and taught them to the team

SELECTED PROJECTS

Megabus Ticket Finder [[Link](#)]

FEB 2018

- Finds deals to save users up to 80% on bus tickets
- ReactJS front-end which tells users the cheapest available tickets given a date range
- Saves ticket information and sends email notifications to users triggered by price changes

NeuroLog [[Link](#)]

NOV 2017

- An interactive web diary for patients with mental health disorders
- Performs analysis on entries with IBM Watson (Artificial Intelligence)

Deriver [[Link](#)]

MAY 2016

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

AWARDS & ACTIVITIES

Vice President Pitt Computer Science Club

PRESENT

1st at **JPMorgan Code for Good Hackathon**, Wilmington, DE

NOV 2017

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

2nd at **Kent Hack Enough Hackathon**, Kent, OH

OCT 2017

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

Salutatorian of Hatboro Horsham High School (Ranked 2nd out of 400)

JUNE 2017

President & Cofounder Computer Science Club of Hatboro Horsham High School