# **Akshay Guthal**

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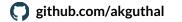


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# education

### University of Maryland College Park

B.S./M.S., Computer Science 3.7 GPA, Graduating May 2020 Entrepreneurship and Innovation Honors College **QUEST Honors Program** 

Relevant Coursework: Object Oriented Programming, Discrete Structures, Algorithms, Organization of Programming Languages, Intro to Compilers, Computer & Network Security, Computer Vision, Data Structures, Software Engineering, Computer Graphics, Artificial Intelligence

# Montgomery Blair High School

Science, Mathematics & CS Magnet Program

# skills

Languages: Java, HTML/CSS, JavaScript, PHP, Node.js, SQL, C, C#, OCaml, Ruby, MATLAB/R

Tools: React, Angular, Flask, Unix, Cassandra, MongoDB, Cucumber, Spring Boot, Git, Bootstrap, AWS, JIRA, Unity3D, Adobe Photoshop, Adobe After Effects



### Northrop Grumman Maintenance Dashboard

React Python/Flask

A fully functional dashboard for Northrop Grumman Mission Systems to view and schedule preventative maintenance, and display accompanying metrics to help schedule future maintenance. Presented work at the QUEST Capstone symposium.

# **Check My Vision**

React, Node.js/Express, Android, Firebase

A website and accompanying app to determine a user's visual acuity. Awarded 4th place at the Capital One intern hackathon.

### Diamondback Salary Guide

HTML, SASS, AngularJS, PHP

A clean, responsive website displaying publicly available salary data for faculty at the University of Maryland.

# **UMD Pi Sigma Epsilon Website**

HTML/CSS, WordPress, PHP

The official website representing the Pi Sigma Epsilon Eta Gamma chapter at the University of Maryland.

HTML/CSS. JavaScript. PHP

A venture and prototype web application created for the TerpTank pitch competition that aims to find relevant recruiters for student-athletes to connect with in order to help them find jobs coming out of college.



# 🖶 work experience

Summer 2018

Software Engineering Intern

- Worked on the Enrollments team, responsible for enrolling credit card and bank accounts, to improve testing automation of APIs.
- Performed a feasibility study and converted several regression scripts written in Cucumber from Ruby to Java.
- · Optimized regression scripts by integrating with the **Karate** framework, reducing lines of code from over 3,500 to 300.
- Eliminated unnecessary data files by consuming internal APIs to dynamically generate card/bank accounts.
- Integrated tests with an internal Capital One testing framework to allow for better CI/CD and push-button deployment.
- Presented work to technical leadership throughout the Consumer Identity department.

**NETSCOUT** Summer 2017

Software Engineering Intern

- Designed a full-stack feature with AngularJS and Java to analyze the system health of an enterprise network analysis product.
- Generated pages that display analytics based on ESXi hosts and virtual machines using the VMware APIs.

# Intelligent Automation, Inc.

Summer 2015/16

Software Engineering Intern

- Developed several features for two education-based, interactive games in Unity3D using C# scripts.
- · Wrote front-end for two interactive games for 4th and 8th graders in HTML/CSS and JavaScript.
- Developed a company-wide Timesheet Allocation Utility, pulling data from SQL databases.



# leadership

### The Diamondback Lab

Spring 2016 - Present

- Managed team of developers to maintain The Diamondback website and create innovative content for thousands of daily readers.
- Maintained communication with the newsroom, advertising department, and the Washington Post development team.
- · Led total conversion and redesign of website from Washington Post's CMS to WordPress.

# **QUESTDev**

Fall 2018 - Present

Lead

Organized and led a team to create the first-ever OUEST hackathon targeted towards business, engineering, and science majors.

# Pi Sigma Epsilon

Chair of Technology

Developed technology solutions, including the official website, to improve the internal activities of a professional business fraternity.