Akshay Guthal

akshay.guthal.com

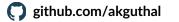


14204 Reed Farm Way, North Potomac MD 20878



akguthal@umd.edu





(301) 908-4702



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, Image Processing, 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, AngularJS, Flask, Unix, Cassandra, MongoDB, Cucumber, Spring Boot, Git, Bootstrap, AWS, JIRA, Unity3D, Adobe Photoshop, Adobe After Effects



projects

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,is/Express, Android, Firebase

An 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 interactive games in Unity3D using C#
- · 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.

QUEST 190H

Fall 2017

Mentor

Guided a group of undergraduate, interdisciplinary students to produce several professional projects that incorporate aspects of design and quality.

Pi Sigma Epsilon

Spring 2017 - Present

Chair of Technology

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