Eashaan Kumar

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EDUCATION

University of Maryland, College Park, MD

B.S. in Computer Science   *Current GPA:* **3.86/4.00**   *Expected Graduation:* **Spring 2019**

Honors Program, Specialization in Data Science and Cyber Security, Minor in Statistics

SKILLS

Programming Languages: **Expert**: Java, C; **Proficient**: Swift, C#; **Prior Experience**: JavaScript, PHP

Databases: MySQL, MongoDB (with Apache and XAMP)

Other Packages & Environments: AWS, Node.js, Unity3D, Xcode, Android Studio

AREAS OF INTEREST

Virtual/Augmented Reality (AR/VR), AI, Mobile, Web, Data science, Database

AWARDS & SCHOLARSHIPS

OMSE Academic Excellence Award • President's Scholarship • College of Computer, Mathematical, and Natural Sciences' Spring 2017 Dean's List

RESEARCH

"Ultimate Vision" (Prof. Matthias Zwicker)   *Jun 2017 – Aug 2017, UMD*

- ❖ System for remote presence for two users; allows them to establish eye contact in a virtual world.
- ❖ Accomplished body construction using Kinect v2 and eye tracking using FOVE VR.
- ❖ Technologies: Unity 3D, Kinect, FOVE VR

"VisuArt" for Phillips Museum, Washington DC (Prof. Kyungjin Yoo)   *Jan 2017 – May 2017, UMD*

- ❖ Created virtual reality app for The Phillips Collection. App allows users to create live 3D artwork with Oculus Rift. Programmed ability to create objects using controllers, multiplayer using Unity's UNet.
- ❖ Project was selected for presentation at Undergraduate Research Day.
- ❖ Technologies: Unity 3D, Oculus Rift, Oculus Touch

EXPERIENCE

Quantilus, Inc. - Intern   *Dec 2016 – Feb 2017, New York, NY*

- ❖ As part of 6-person team, worked on "Appliqant", an online service that allows recruiters to conduct automated video interviews of candidates and use AI to score them on personality and technical skills
- ❖ Added ability to send and fetch interviewee information using PHP.
- ❖ Developed automatic backup of incoming data to a MongoDB database hosted on AWS which allowed the company update its SQL database.
- ❖ Created an Android app to facilitate candidates to take video interviews from a mobile device
- ❖ Experienced "hacker takeover" of the database in the staging environment and learned how to recover
- ❖ Technologies: PHP, node.js, MongoDB, AWS, Android

Mobile App Development - iOS   *2012 – 2016*

- ❖ Created and published two games, 'Crazy Towers' and 'Swervy Cubes' and a utility app 'NeverForget – Task Manager' to AppStore.

UMD Virtual Reality Club – Resource Manager, Lead Unity3D Instructor   *Sep 2016 – Current, UMD*

- ❖ Manage 75+ members of the club and address their organizational issues
- ❖ Teach large groups of students about VR development in Unity3D

Started "Reality Hacks" – Workshop Manager   *April 14, UMD*

- ❖ Started the first AR/VR Hackathon on UMD campus with the help of UMD VR and AR club. Managed and taught workshops for the duration of the hackathon.