

ABEY KOOLIPURACKAL

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ABOUT

University of Virginia – B.S Computer Science | Engineering Business

Expected Graduation: May 2019

- Major GPA: 3.61
- Relevant Coursework: Web Programming Languages, Computer Architecture, Data Structures, Theory of Computation, Software Development Methods, Discrete Mathematics, Human Computer Interaction

EXPERIENCE

Incoming Software Engineering Intern – PIEtech

Starting 06/17

- Utilizing JavaScript and C#

Web Developer – The Cavalier Daily

01/17 – Present

- Designed front end for student run independent daily news organization and magazine
- Implemented web-scrappers with Python to retrieve student demographic data for data visualization projects

Teaching Assistant – University of Virginia Department of Computer Science

08/16 – Present

- Improved coding comprehension by refining curriculum assisting with OOP fundamentals
- Strengthened programming and algorithm design techniques in students via Socratic teaching
- Advised students with personal project design and implementation in Java, Python

INDEPENDENT PROJECTS

AirBae (<http://airbae.me/>)

09/16 – Present

- Developed web application that connects airplane passengers based on a compatibility algorithm
- Created front end with JavaScript utilizing various frameworks and backend with NodeJS
- Awarded 3rd Place Overall at the Pike Student Entrepreneur Expo 2017

KIN (<https://github.com/UVASGD/spring-2017-kin>)

07/16 – Present

- Collaborated on creating 2D open-world, action-adventure role-playing game
- Developed in Unity environment utilizing C# for scripts
- Designed and programmed modular scripts for dynamic in-game environment and related systems

INVOLVEMENT

HooApps (*iOS Developer*, 08/16 – Present)

Student Game Developers (*Developer*, 03/15 – Present)

STEM Mentoring (MESA) (*Founder*, 03/15 – Present)

Women in Computing (*Member*, 03/15 – Present)

Virginia Poker Association (*Founder*, 08/16 – Present)

Residents Life (*Resident Advisor*, 07/16 – Present)

Phi Sigma Pi (*Brother*, 09/16 – Present)

SKILLS

Proficient: Python, Java, C++, HTML (CSS)

Learning: Swift, Android, JavaScript, C#

Software Tools: Unity, Android Studio, Adobe CC, GIMP, Autodesk Inventor

Operating Systems: Windows, MacOS, Ubuntu, Android, iOS