

# ABEY KOOLIPURACKAL

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## ABOUT

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### UNIVERSITY OF VIRGINIA

*B.S. COMPUTER SCIENCE | ENGINEERING BUSINESS MINOR*

CHARLOTTESVILLE, VA

*CLASS OF 2019*

- 3.61/4.0 GPA (In Major)
- Relevant Coursework: Data Structures, Web Programming Languages, Computer Architecture, Theory of Computation, Software Development Methods, Discrete Mathematics, Human Computer Interaction

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## EXPERIENCE

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### PIETECH INC.

*SOFTWARE ENGINEERING INTERN*

RICHMOND, VA

*06/17 – PRESENT*

- Developed financial calculators and investing tools utilizing JavaScript (AureliaJS)
- Implemented mock backend API using JavaScript for in-house frontend developers/testers

### THE CAVALIER DAILY

*WEB DEVELOPER*

CHARLOTTESVILLE, VA

*01/17 – PRESENT*

- Designed front end of Cavalier Daily Web Magazine (launching Fall 2017)
- Implemented web-scrappers with Python to retrieve student demographic data for data visualization

### COMPUTER SCIENCE DEPARTMENT @ UVA

*TEACHING ASSISTANT*

CHARLOTTESVILLE, VA

*08/16 – PRESENT*

- Improved coding comprehension by refining curriculum for Intro to Computer Science
- Supported students with project design/implementation, and OOP fundamentals in Java, Python

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## PROJECTS

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### AIRBAE

*COFOUNDER*

<http://AirBae.me/>

*03/17 – PRESENT*

- Developed web app using NodeJS that seats airplane passengers utilizing compatibility algorithms
- Awarded 3rd Place Overall at the Pike Student Entrepreneur Expo 2017

### KIN

*PROGRAMMER*

<https://github.com/AbeyK/Kin>

*01/17 – PRESENT*

- Worked with team of 15+ to create a full-scale Unity 3D game from scratch including all assets
- Developed modular C# scripts for dynamic in-game environment and related systems

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## INVOLVEMENT

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**Women in Computing** - Organized Hackathon with theme of sexual assault prevention *03/17 – PRESENT*

**HooApps** - Developed proof of concept messenger app and mini games for Android *03/16 – PRESENT*

**Student Game Developers** - Developed with Unity/C# to make various games *01/17 – PRESENT*

**Resident Advisor**- Provided support for first years; Organized community events *08/16 – PRESENT*

**Virginia Poker Association** - Cofounder; Platform to discuss and play poker for fun *05/16 – PRESENT*

**Phi Sigma Pi** - Honor fraternity; Hosted philanthropy events for children's hospitals *09/16 – PRESENT*

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## SKILLS

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*Python, Java, C++, JavaScript, HTML/CSS, Git*