**Andrew pham**

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**EDUCATION**

**RICE UNIVERSITY** – Class of 2021

**B.A. Computer Science, B.S. Electrical Engineering** - **GPA**: 4.0

**PROJECTS**

**Virtual Filesystem** - Link: *github.com/apham727/virtual-filesystem*

* Implemented an API to expose kernel components through a Unix-like filesystem

**Terminal Emulator** - Link: *github.com/apham727/terminal-emulator*

* Created a command line interface to allow users to run commands on a research operating system

**EXPERIENCE**

**GENERAL ELECTRIC** – Chicago, IL

***Software Engineering Intern***May – Aug 2019

* Overhauled the front page of an Angular-based dashboard application used by 40+ internal engineering teams
* Automated the aggregation of hundreds of engineering metrics across the healthcare division

**RICE EFFICIENT COMPUTING** – Houston, TX

***Software Development Intern***  May 2018 – Mar 2019

* Designed and implemented operating system applications and APIs in Rust
* Developed user-kernel interfaces modeled after the Linux kernel

**RICE INFORMATION TECHNOLOGY OFFICE** – Houston, TX

***Lead Student Computing Consultant*** Oct 2017 – Nov 2018

* Managed 15+ Student Computing Consultants and led the hiring process of new employees
* Served as focal point for all personal IT related issues for students and faculty

**SKILLS**

**Languages**

* Java
* Python
* C
* Rust
* SQL
* Javascript

**Tools/Frameworks**

* Angular
* AWS
* Spark
* TensorFlow
* Hadoop MapReduce
* Linux Kernel
* Git

**Coursework**

* Machine Learning
* Cloud Computing
* Data Science
* Parallel Computing
* Discrete Mathematics
* Algorithms
* Signal Processing

**Activities**

**ELEC 220: Teaching Assistant (2019)** – Instructed students in design/implementation of microcontroller systems

**IEEE Junior Representative (2019-2020)** – Coordinated networking and outreach events with 30+ companies

**Facebook Externship (Spring 2019)** - Explored large-scale dynamic databases and shadowed software engineers on the internal database team

**Honors**

* 1st Place in Freshmen Category at 2018 Rice Engineering Design Showcase
* Samuel T. Sikes Scholarship in Engineering
* H.R. Burnett Endowed Scholarship