**Andrew pham**

apham@rice.edu · (979) 571-4408

**andrewvpham.com**

**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**

**SOFTWARE ENGINEERING INTERN** May – Aug 2019

***General Electric – Chicago, IL***

* 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

**SOFTWARE DEVELOPMENT INTERN**  May 2018 – Mar 2019

***Rice Efficient Computing – Houston, TX***

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

**TEACHING ASSISTANT – FUND. OF COMPUTER ENGINEERING**  Jan 2019 – May 2019

***Rice Electrical and Computer Engineering Department – Houston, TX***

* Instructed students in the implementation of microcontroller-oriented systems

**LEAD STUDENT COMPUTING CONSULTANT**  Oct 2017 – Nov 2018

***Rice Office of Information Technology***

* Managed 15+ Student Computing Consultants and led the hiring process of new employees

**SKILLS**

**Languages**

* Java
* Python
* C
* Rust
* Javascript

**Tools/Frameworks**

* Angular
* AWS
* Spark
* TensorFlow
* ElasticSearch
* Linux

**Coursework**

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

**Activities**

**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

**Capital One Software Engineering Summit (August 2019)** - Created an Angular + Express web app as a travel service

**Honors**

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