ANDREW PHUNG

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EDUCATION

The University of Texas at Austin   **May 2018**
- Bachelor of Electrical and Computer Engineering
- Technical Cores: Data Science and Digital Signal Processing
- Minor: Mathematics
- GPA: 3.1

EXPERIENCE

Software Engineering Intern – Everfest   **May 2017 - Present**
- Creating a form for festival sponsors to provide goods and services to festivals
- Creating a dashboard so festivals can search and filter sponsors

Research Assistant – Howison Labs   **January 2017 - May 2017**
- Conducting content analysis on the web presence of grant-funded software projects
- Collaborating with fellow research assistants using Git for Version Control

Tutor – The University of Texas at Austin   **November 2016 - May 2017**
- Tutoring students in Algorithms, Discrete Math, and Probability
- Using MATLAB to visualize homework problem solutions for students

PROJECTS

Arctic – Earthack Hackathon   **April 2017**
- Used telemetry data to generate a virtual arctic environment representing the quality of users' driving
- Used Pandas to analyze data to compute metric that represent users' driving habits

Zzz-Mail – Do More with Email Hackathon   **March 2017**
- Used Context.io's and SendGrid's email APIs to automatically handle users' after hours emails
- Won the Social Good, the Best Integration of Context.io, the Best Pitch Awards

ThermoState – Buildathon Hackathon   **February 2017**
- Used Open Weather API to control windows in a home to maximize energy efficiency
- Implemented serial communication algorithms for Arduino language (C/C++) and Python

Project Lightspawn – Personal Project   **May 2016 - December 2016**
- Created a game where players control an army through a procedurally generated dungeon
- Implemented A* and line-of-sight algorithm for unit pathfinding and path smoothing

ORGANIZATIONS

Student Mentor – SEEK   **Fall 2015, Fall 2016 - Present**
- Instructing and managing a classroom of middle school students
- Teaching engineering principles to students with hands-on projects

SKILLS

- Languages: Python, Java, MATLAB, C, C++
- Operating Systems: Windows, Linux
- Version Control: Git, SVN
- Conversational in Vietnamese