Nafee Jan

nafeejan2@gmail.com | (610)-203-6083 | nafeej.github.io

EDUCATION

University of Pittsburgh   *Pittsburgh, PA*

B.S. in Computer Science, Minor in History   *Expected April 2023*
Cumulative GPA: 3.59/4.00

RELEVANT COURSEWORK

Intro to Cloud Computing	Intro to Systems Software	Intro to Operating Systems
Programming for Web Apps	Computer Org & Assembly	Intro to Human-Computer Interaction

PROJECTS github.com/NafeeJ

BatteryEstimate github.com/NafeeJ/BatteryEstimate/   *Nov 2019 - Feb 2020*
- Built native MacOS app in Swift to display estimated battery time remaining to the menu bar
- Developed defensive algorithm to display battery info with ASCII icons for lite visual feedback
- Made use of open source projects for features and release

Bounce Games github.com/Bounce-Games/   *Jul 2020 - Dec 2020*
- Built 2D physics game template of bouncing object sprites with C# and Unity to adapt to different implementations (currently hosting two variations)
- Developed scalable algorithm to implement various different object sprites easily

Personal Website nafeej.github.io   *Aug 2020 - Present*
- Built personal website for displaying portfolio of projects with Javascript, HTML, and CSS

Semaphore Implementation in Linux Kernel   *June 2021*
- Implemented syscalls for semaphore usage for multithreading programming
- Developed semaphore algorithm with spinlocks and FIFO queue using Linux kernel API in C

osu!keep osu-keep.uk.r.appspot.com   *Sep 2021 - Present*
- Website to extend functionality of the website of the game osu!
- Working with a team of 4 to build a website with Flask, Google App Engine and Datastore
- Will use the osu! API to retrieve and store nonpersistent user data and provide data visualization

Bushido in Samurai Films nafeej.github.io/Bushido-in-Samurai-Films/   *Apr 2020*
- Built website to the role of bushido in samurai films with parallax scrolling effect

OPEN SOURCE CONTRIBUTIONS

Unity Library   *Aug 2020*
- Repository of community made scripts for game development
- Improved upon flexibility and performance of a script in C# by ~150%

Peko Button   *Aug 2020*
- Soundboard built with Vue.js
- Improved upon English translations and added new sound
- Communicated across language barrier with Chinese owner

SKILLS

Languages: Java, Python, C#, Javascript, C, Swift, Kotlin
Technologies: Git/GitHub, Unix, Unity, Google Cloud Platform, Docker, Kubernetes, Jupyter Notebook