

Taylor A. Flieg

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Objective : To obtain a computer science entry level position starting in summer 2023.

Skills

Proficient : ANTLR, C/C#, Git, HTML, Java, Python | Linux, Mac, Windows

Familiar : CSS, Docker, Javascript, Swift, Scheme, Unity

Education

Bachelor of Science in Computer Science, Minor in Mathematics

Virginia Tech | Blacksburg, VA | May 2023 graduation

GPA : 3.59/4.0

→ Coursework Topics

Algorithm analysis, Apple mobile development, comparative languages, computer organization, computer systems, cryptography, data structures, database management, GUI programming and graphics, human-computer interaction, software design

→ Featured Projects

HCI Capstone Project (ongoing)

- Semester long project using HCI paradigm to analyze the need for, design, implement, and evaluate a single and multiplayer mobile exergame with a farming simulator theme, with the purpose of encouraging health and fitness.

Python To-Do List

- Designing and implementing a command based to-do list system to organize classwork and other tasks, which can be viewed as an excel sheet with various pages representing each specific list.
- Utilized string manipulation to parse commands and information, and gained experience reading data from and writing data to files, and graph analytics.

ThreadPool Manager

- Designing, implementing, and optimizing a thread pool structure to manage working threads to complete submitted tasks, utilizing a work stealing approach.
- Gained experience with using pthread's thread creation/joining, locks, conditionals, and barriers.

Experiences

Student Training Coordinator, Virginia Tech Dining Services

Blacksburg, VA | October 2021 - present | Employed since September 2019

- Training, onboarding, and managing a fluctuating staff of 150 - 300 student employees within Virginia Tech dining hall.
- Essential job duties include : assisting with daily operations, running cash office reports, scheduling and onboarding staff, ensuring staff are up to date on required trainings, and ensuring staff are upholding Dining Service's policies and procedures.
- Gained leadership and time management skills from balancing a demanding degree, extracurriculars, and 25+ hours working each week.

President, Delta Chi Gamma Women's Service Fraternity

Blacksburg, VA | August 2022 - May 2023 | Membership since March 2021

- Leading and representing Delta Chi Gamma, as well as ensuring the university's organization requirements are met.
- Essential duties include : leading weekly chapter and officer meetings, designating and overseeing tasks, assisting officers and all committees with their tasks, general management of members, and organizing, planning, and budgeting events.
- Gained leadership skills while planning and participating in local, regional, and national service events and projects.