Collin Kenneth Kleest

Collegeville, PA **|** State College, PA **|** (484) 854-9485 **|** collinkleest@gmail.com **|** ckk5255@psu.edu **|**
https://linkedin.com/in/collinkleest **|** https://github.com/collinkleest **|** https://collinkleest.com

EDUCATION

The Pennsylvania State University, University Park, PA   June 2018 – December 2021
College of Information Sciences and Technology
Schreyer Honors College
- **Bachelor Science in Information Science and Technology, Design and Development Option**
  - **Minor:** Security & Risk Analysis
  - **Overall GPA:** 3.89 **| Major GPA:** 4.0

Dean's List: FA18, SP19, FA19
Scholarships: Richard C. Assetto, Robert and Tammy Morgan Trustee, and Hendrickson Family Trustee Scholarship
Major Related Course Work: Data structures & Algorithms, Databases & SQL, Networking, Leadership in Technology, Object Oriented Programming, Information Security, Discrete Mathematics, Object Oriented Design

WORK EXPERIENCE

Pfizer
Associate Software Engineer   August 2020 – Present
- Contributing to a disturbed data platform that exposes micro-services that are utilized by client applications for various finance and manufacturing solutions

Software Engineer Intern   June 2020 – August 2020
- Engineered a full stack web application that dynamically serves API documentation on the fly
- Designed a front-end user interface using ReactJS and built out a back-end in Java Spring Framework
- Collaborated with an intern to build a static content site for multiple teams.

Rajant Corporation, Systems Engineer Intern   May 2019 – August 2019
Rajant is a defense contractor that produces networking technology that enables secure, real-time communication.
- Established an API Gateway to provide centralized authentication for API's and 115 employees.
- Engineered a power monitoring system, that utilizes Python on a Raspberry Pi.
- Analyzed a corporate network of 10-15 servers, two VPN connections, and multiple Virtual LAN's.

College of Information Science & Technology
Learning Assistant Coordinator for Intermediate Java Courses   January 2020 – Present
- Managing ten learning assistants, facilitating communications to tutors, and conducting interviews.

Java Learning Assistant   January 2020 – Present
- Taught a set of students fundamental object-oriented concepts, assisted instructor with lectures, grading, and course materials.

Instruction Assistant, Lead Teaching Assistant   January 2019 – May 2020
- Managing two new learning assistants and creating new course content for Security and Risk Analysis course.

LEADERSHIP

President and Co-Founder of Emerging Technology Club   September 2019 – Present
EMTech is a club that presents demos based on the Raspberry Pi and teaches students about emerging technologies.
- Creating advanced Linux labs, collaborating with an executive team to organize and plan meetings.
- Maintaining website and developing labs and webinars on emerging technologies.

VOLUNTEER WORK

CB Transportation   July 2019 - Present
- Aided in configuring Alien Vault defensive security system for detecting security vulnerabilities.

Penn State Ski Team   Sept 2018 – Present
- Fundraised for THON and team funding. College club level competitions five times a year.

PROJECTS (see second page for more details)
- Space-Xplore (ReactJS, Spacex-API)   • Py-Github (Python, Github)
  - JavaFit   • RPi Led Game

SKILLS AND TOOLS

Hard Skills:
- **Languages:** Python, Java, SQL, Shell Script
- **Web Technologies:** React, Redux, HTML5, CSS, Sass, Web Components
- **Operating Systems:** Fedora, Ubuntu, Windows, Mac OS
- **Tools:** Docker, Git (Github & Gitlabs), Kubernetes, Virtual Box, MongoDB, Postman, Various IDE's; VS Code, Netbeans, Vim
- **Concepts:** MVC Java Development, Data Structures & Algorithms, Information Security, OOP Design

Soft Skills:
- Leadership, Communication, Time Management, Adaptability, Teamwork, Decision Making, Persistence

Certifications: Certified Wireless Analyst (CWA), Certified IP Telecom Network Specialist

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Projects

Space-Xplore

ReactJS Web Application
- Designed and build a web application that displays content from the SpaceX API
- Utilized Google Maps API to generate maps with SpaceX data
- Created a CI / CD pipeline for automatic deployments via Github Actions
- Live Demo: https://collinkleest.github.io/space-xplore/#/
- Source Code: https://github.com/collinkleest/space-xplore/

JavaFit

Native JavaFX Fitness application
- Built a full stack Desktop application for a user-based Fitness tracking application
- Utilized MongoDB's free Atlas server for a centralized database for users and their data
- Applied Model-View-Controller framework for the applications structure
- Designed the user interface with JavaFX libraries
- Source Code: https://github.com/collinkleest/javafit

Py-Github

Python command line tool to interact with Github.
- Built a command line tool written python that allows a user to interact with the Github API from the command line
- Allows user to perform common web interface actions via the command line
- Source Code: https://github.com/collinkleest/py-github

RPi Led Game

Two Player led game written in Python.
- Engineered a two person LED game written in Python
- Utilized a breadboard to make in person game interactions
- Source Code: https://github.com/collinkleest/py-led-game
- YouTube Demo: https://www.youtube.com/watch?v=XbRmYca14Fc