Aayush Kapar

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SKILLS

Java, VB, C#, C++, Python, Swift, Visual Studio, Eclipse, Xcode, Tortoise SVN, GIT, Perforce, Jama, DOORS, JIRA
Agile Development, 3D design, Adobe Design Suite, Video and Photography, Cryptocurrency, Network Systems

EDUCATION

Florida Institute of Technology (FIT)   *Melbourne, FL*   **May 2020**

BS Aeronautical Science w/Flight, AA Flight Operations and Dispatch   *GPA 3.6/4.0*
Focus on Computer Science
Minor in Unmanned Aerial System Applications

Private pilot certificate with Instrument Rating
Commercial pilot certificate expected May 2020

EXPERIENCE

Florida Institute of Technology (FIT)   *Melbourne, FL*

Software Engineering Course
- Contributing to open source project OBS studio developed in C++
- Testing program using VMware and SSH into Raspberry Pi
- Developing in a team following Agile methodology with GIT for source control

Data structure and Algorithms Course (github.com/akapar2016/DataStructures)
- Demonstrated data structure implementations in Java using Eclipse
- Created Java program to play tic-tac-toe with any grid size and snake with custom speed, difficulty, and size

Student Administrative Assistant for Link Foundation Fellowship - College Of Aeronautics   **Jan 2019 - May 2020**
- Manage contact databases and create advertising media using Adobe Creative Suite
- Aid in the redesign of the foundation website
- Assist Administrator with business correspondence

Audio Visual Lighting Technician – Gleason   **Oct 2017 - May 2020**
- Executed lighting setup and programming using showXpress
- Implemented network systems to interconnect lighting, audio, and video equipment

Florida Tech Media Productions Student Organization (FITV) - Tech Director
- Developing network system for video production with rendering nodes relying on Adobe Creative Suite
- Remapping network and server systems
- Lead technological aspects of the organizing including film festival

Avidyne Corporation   *Melbourne, FL*   **May 2019 - Present**

Software Development Intern
- Developing test libraries for IFD lineup for DO-178c standards using VB6 with Perforce for source control
- Creating new software testing environment in .Net with VSTA integration using C#
- Developing test scripts for IFD upcoming software updates

Dynon Avionics   *Woodinville, WA*   **May 2018 - Aug 2018**

Software Development Intern
- Developed GUI application to stimulate EFIS data from Flight Simulator X/user in C# WPF using Visual Studio
- Developed UI components of Electronic Flight Information System(EFIS) in C++
- Coordinated code with programming team with remote members following agile methodology

Portal Bikes   *Nepal*   **June 2014 - Aug 2014**

Summer Intern
- Collaborated to fabricate a mass production setup for the production of Portal bicycles
- Prototyped pedal powered machines such as a washing machine
- Collaborated to prototype and test shelters for earthquake relief that soon supported over 26,000 individuals

PERSONAL PROJECTS

The Kidney Action   *Nepal*   **Jan 2015 - Aug 2016**

Documentary (https://tinyurl.com/rr5ygnj)
- Co-produced, directed, and edited feature length documentary about kidney trafficking in Nepal
- Competed in national documentary competition and was premiered in several movie theaters in Kathmandu
- Edited using Adobe Premiere pro, Audition, and After Effects

Impact of Motivation on Development of Technology   **Jan 2015 - Aug 2016**

Ongoing Research Paper (https://tinyurl.com/wy7flxa)
- Researching the impact of intrinsic motivation on development of technology
- Focusing on the adaptation of the world wide web

HONORS & MEMBERSHIPS

- Drone Club – Secretary
- Kit Club – Social Media Coordinator
- Panther Fund Merit Scholarship
- Dean's List
- IEEE - Institute of Electrical and Electronics Engineers
- AIAA - American Institute of Aeronautics and Astronautics
- ACM - Association for Computing Machinery