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Callum Cortlandt Yacos Ferguson

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Education:

UNIVERSITY OF MISSOURI, Columbia, Missouri

BSc Computer Science (2017 - 2021, May anticipated)

Current GPA: 3.901 (4.0 in major)

Professional and volunteer experience:

Owner - PinTack LLC, Rolla MO (2018-Present) - http://PinTackApps.com

- Founded PinTack LLC (PinTackApps) in 2018
- Released Overkill Drill game in August 2018 on iOS and Android which has 23,000 total downloads.
- Revenue is generated through Google AdSense which has been optimized based on user patterns.
- Hired freelance artists to create the game art and UI art for Overkill Drill.
- Released Pipe Racer in August 2019 for iOS and Android.
- Two new games are currently under development.

Captain of the Programming Team - FTC Robotics, Rolla MO (2014-2017)

- Created the robot driver control program for three years of competition.
- Lead our team to 1st place in the super-regional competition and 13th place in the FTC World Competition with the creation of the autonomous sensing program.
- Fundraising and community outreach to get elementary and middle school students involved in robotics.

Other projects:

- IPFS Application: Working prototype Electron/React application that streams distributed files over Interplanetary File System (IPFS)
- Meta Video API+Client: Private web service that serves rendered compilations of video-clips. Made data scraping program that gathers data and video links from social media sites based on categories and store the information in a database as part of a larger project.
- Open Source GitHub Contributions: Mirror and Telepathy.

Expertise:

- Languages:
  - Proficient: C/C++, C#, Java, Javascript, Cg.
  - Working proficiency: Python, SQL, PHP, Lua, Swift, Objective-C.
- Supporting Tools: Unity, Git (GitHub), Xcode, Android Studio, Electron, React.
- Experience With: PyTorch, NumPy, Jupyter Notebook, Docker
- Amazon Web Services: EC2, DynamoDB, GameLift, Lambda, API Gateway.
- Misc: 2D/3D graphics, Linux remote server management, video editing.

Interests:

- Competitive rowing in high school, and until recently, university.
- Running, cycling, snowboarding, and skiing.