Firia Labs Videos for CS Career Explorations: Information Technology

1. **Interview with David Ewing, President of Firia Labs**
   https://youtu.be/GrsqOCfZQoU
   a. This video is part of the CS Career Explorations: Information Technology curriculum. The purpose of this video is to introduce David Ewing, the president of Firia Labs, and to provide insight into his background, experiences, and philosophy on engineering and entrepreneurship. It aims to inspire viewers, particularly those interested in technology and engineering, by sharing his journey, the importance of passion in the field, and the value of hands-on learning through projects.

2. **A Day in the Life of a Software Engineer**
   https://youtu.be/UItJ2FsR29c
   a. This video is part of the CS Career Explorations: Information Technology curriculum. The purpose of the video is to provide insight into the role of a software engineer at Firia Labs, emphasizing the importance of creative problem-solving, technical expertise, and communication skills in the field. It highlights the daily responsibilities, the excitement of working on cutting-edge projects, and the value of gaining real-world experience through coding and DIY electronics. The video also aims to inspire and inform those interested in pursuing a career in software engineering.

3. **Interview with Donnie Pitts, Senior Product Designer at Hear Technologies**
   https://youtu.be/Z4z6wOGCAhQ
   a. This video is part of the CS Career Explorations: Information Technology curriculum. The purpose of this video is to share Donnie Pitts' journey and insights as a senior product designer in the audio industry. It aims to inspire and guide those interested in pursuing careers in technology and product design by emphasizing the importance of continuous learning, the value of diverse perspectives in the industry, and the potential for growth through initiative and teamwork, even when starting in non-technical roles.

4. **A Day in the Life of an Embedded Engineer**
   https://youtu.be/DOtmSfqkirE
   a. This video is part of the CS Career Explorations: Information Technology curriculum. The purpose of the video is to introduce and inspire viewers about the field of embedded engineering, highlighting the work done at Firia Labs. It aims to encourage aspiring engineers to explore the intersection of hardware and software, emphasizing the hands-on, creative aspects of embedded systems and the opportunities within this field. The video also showcases the importance of teamwork,

communication skills, and early exploration of programming and hardware for those considering a career in engineering.

5. **Team-based Challenge: Introduction**
   https://youtu.be/s6Bj-wLqcn8
   a. This video is part of the CS Career Explorations: Information Technology curriculum. The purpose of the video is to introduce and explain the structure of the team-based challenge module, designed to enhance learning through real-world problem-solving and teamwork. It outlines the different phases of the module, including problem introduction, skill development, and solution planning, while emphasizing the importance of collaboration, industry mentorship, and practical application of concepts. The video aims to motivate participants by setting expectations for an engaging and skill-building experience.