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Atomleap

- Support of data retrieval: manual examination of internet sources (databases, webpages, news feeds), construction of preliminary scraping environments.
- Support of data analytics: cleaning of raw data, testing of inferential analytical models, experimenting with new analytical models, sanity check of model results.
- Design software infrastructures.
- Gain understanding of machine learning and statistical models.

Dataconomy

- Work with developer to manage website (frontend and backend)
- Automate processes to achieve targets goals.
- Deepen understanding and application of coding languages.
- Develop analytical skills.
- Collaborate across departments for common goal.

Mimic Productions

- Collaborate to develop a humanoid robot to achieve realistic movement and behaviour.
- Research into the mechatronics and animatronics of existing robot (based off the inMoov model).
- Develop other practical applications, according to personal and professional interests of student.

Orion Additive

- Develop understanding of FDM 3D printing process with high performance polymers.
- learn to use and manipulate 3D printing software.
- Research chemistry based approach on how to improve inter-layer bonding of FDM 3D printed objects.
- Design and build experiments and prototypes to test theories and hypotheses.

Peregrine Technologies

- Develop core image and sensor data analytics pipeline.
- Find and visualize correlations and dependencies in highly unstructured datasets.
- Design and implement a variety of efficient ML processing algorithms.
- Present results and insights of the work the core development team and participate in design thinking product cycles.
- Research to find alternative approaches to solving mobility related problems.

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Visseiro

- Research and develop new features for the products.
- Develop CAD skills and better understanding of 3D design principles.
- Collaborate with team of software and hardware engineers.
- Learn to integrate and evaluate feedback continuously from users.
- Upgrade systems and processes.

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