



## ABOUT ME

I'm a passionate CS Student and iOS Developer. With a great interest in Computer-vision, Machine learning, IoT and Robotics with my major currently focusing in this field of study.

## INFO

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🏠 Lange Straße 16,  
Grambow,  
Mecklenburg-Vorpommern

## SKILLS

### Programming languages

- Swift
- Java
- Python
- C/C++
- Objective-C

### IDEs

- Xcode
- PyCharm
- IntelliJ IDEA
- CLion
- Arduino

### Other

- Sketch
- UI UX design
- GitHub
- Public speaking
- Robotics
- Machine learning

## ACCOMPLISHMENTS

• Apple inc. scholarship Recipient for the WWDC 2018

• Winning the first price at MLH Prime Europe 2017 hackathon with “Automated Search System”

• Hack Oxford 2017 best IOT hack prize winner

• Tech crunch disrupt Berlin hackathon 2017 Esri prize winner

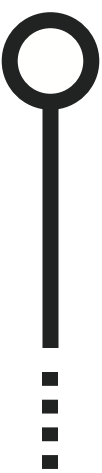
• Head developer of winning team at the 2016 London incubateX hackathon.

• Awarded the Gresham’s Rix Computer Prize and The Martin Burgess Prize for Inventive Ability by Anne, Princess Royal

# Ferdinand Loesch



## EDUCATION

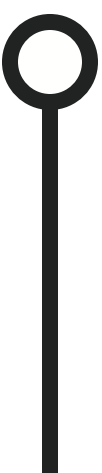


2017 to date University – Oxford Brookes: Computing for Robotic Systems

Current modules completed: Understanding Programming, Foundations of Computer Systems, Introductory Robotics (1 and 2), Professional Software System Design, Discrete Mathematics, Introduction to Object Oriented Programming.



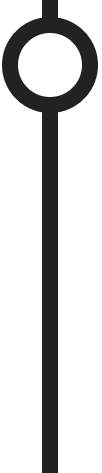
## WORK



Aug 2018 – JamJar Technologies

Sept 2018 Software Engineer Intern

- Created a dataset of 1200 images which was used for training YOLO ML model.
- Created and trained several Tensorflow and Turicreate ML models and implemented them into iOS.
- Developed in iOS app which used a YOLO model to track several fingers in real-time for interaction with virtual objects in a AR Scene.
- Implemented indoor Position tracking of IoT Bluetooth devices.

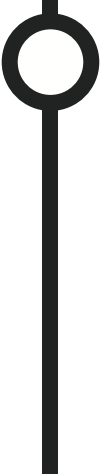


Mar 2016 to date

iOS Developer

Freelancing For stack development

- Designed and developed intuitive user interfaces using Sketch.
- Developed a system which uses computer vision to allow paraplegic people to control a MacOS with Facial movements.
- Managed a team of developers to create an AR city navigation App at Tech crunch disrupt.
- Developed a learning App for a client which aims to allow teachers to monitor the learning progress of students. This allows a more personalised teaching experience in the classroom.
- Developed a Python library to interface with our research robot at my University.

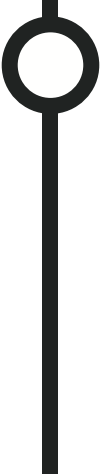


Jul 2016 – Aug 2016

Intern at Voxeljet for Sales and Marketing

Paul-Lenz-Straße 1a 86316 Friedberg, Germany

- Implemented innovative systems for data collection, storage and management of customer orders.
- Collaborated with product management to design, build and test 3D printing systems.
- Assessed costs and risks associated with developing new features and products.
- Assisted with sales of 3D printing systems to companies such as BMW.
- Assisted marketing by implementing analytical capabilities for the company website and analysing the resulting data.



Sept 2015 – Dec 2015

FLOC Innovations

Cromer Rd, Holt, Norfolk NR25 6EA United Kingdom

- Designing 3-D printable attachments for consumer Drones
- Developing embedded systems for an automated retractable landing gear.
- Developing Software extensions to 3DRobotics autopilot To enable automatic deployment of landing gear.