Oliver Fleckenstein

Resumé

Personal Info

Name Oliver Fleckenstein
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Education

2017–2019 **Master of Computer Science and Engineering**, *Technical University of Denmark*, Copenhagen.
Specializing in algorithms and intelligent systems

2016–2016 **Computer Science**, *University of New South Wales*, Sydney.
As part of my bachelor degree at DTU, I had an exchange semester abroad at UNSW in Sydney, Australia, with focus on compilers, Computer Vision and Graphics.

2014–2017 **Bachelor of Software Technology**, *Technical University of Denmark*, Copenhagen.

2011–2014 **Mathematics, Physics, and IT**, *HTX*, Hillerød, *Gymnasium*.

2012–2014 **Academy for Talented Youth**, `ungetalenter.dk`, Copenhagen.
A project for gymnasium students to broaden our field of knowledge and to create relationships with other ambitious students. This was done through workshops and visiting different universities and companies.

Experience

2017–2019 **Student Software Developer**, *Microsoft Denmark*, Kongens Lyngby.
Working on Business Central (Navision), as a part of the Microsoft Invoicing team. My position was focused on developing UX for the product, primarily using TypeScript and React.

2015–2016 **Student Project Assistant**, *IBM*, Copenhagen.
Worked to automate project status reporting to clients from IBM's project managing tool IBM Program Work Center (IPWC), which beforehand was done manually each week. This was done using VBA and HTML/CSS.

2014–2014 **IT Consultant**, *The Danish Insurance Academy*.
Developed a C# .NET web application to use YouTube as a private video host for the company's educational videos. This was done through Google's APIs and using OAuth to verify users. The application is integrated into their e-learning platform, and used by teachers to give student feedback on projects and assignments.

Projects

Master Thesis A Master Thesis project done in collaboration with Mobile Industrial Robots, with focus on how Multi-Agent Systems can be applied to their robots, making them more collaborative and optimize traffic flow.

Bachelor Thesis The conclusion of my Bachelor was a thesis focused on Multi-Agent Systems. For this, we design and implemented a system able to control and coordinate many agents in order to solve complex tasks, that a single agent would be unable to solve by themself. The system was build for the annual MAPC (`https://multiagentcontest.org/2017`), where it competed and secured second place.

Computer Vision Project At UNSW, I worked on building computer vision application through one of my courses using OpenCV. These projects included building an image stitching program, capable of taking several images of the same object and creating one big image. This was afterwards extended to take photos from different angles of a small object to create a 3D model, similar to 3D landmarks on Google's or Microsoft's maps.

Languages

Danish **Native**

English **Working Proficiency**

Software skills

Programming Languages C#/.NET Core, Java, Python, F#, Haskell, Prolog

Web Tools TypeScript, React, SASS, HTML/CSS, JavaScript, PHP, SQL

Embedded Some C/C++ with microcontrollers/Arduino, some Assembly

Other Tools OpenCV, OpenGL