

# DOUGLAS LANDVIK

douglas.landvik@gmail.com | +46 70 570 74 99 | github.com/dogg3 | linkedin.com/in/douglaslandvik

## Education

### City University of London | BCs Computer Science | 2017-2020

*Final Exams worth above 70% of final grade*

**100% Computation and Reasoning**

**96.3% Functional Programming**

**91% Programming in Java**

**89% System architecture**

**87.5% Software Engineering**

**86% Programming in C++**

**85% Data structures and algorithms**

**76% Mathematics for Computing**

**75% Object oriented analysis and design**

**73% Language processors**

*Coursework 100% of final grade*

**85% Introduction to AI**

**63% Programming and Mathematics for Artificial Intelligence**

*Modules in progress*

**Computer Vision**

### Florida Atlantic University | BCs Economics | 2015-2017, Boca Raton US

*Final grade: A – Methods of Calculus, College Algebra, Statistics*

## Work Experience

### Full stack developer - FC Copenhagen September-now 2019 | Copenhagen, DK

- Developed skills in **project planning** when translating user requirements to system requirements after interviews and research.
- Gained knowledge about **Django** and how to use **Python** when designing and implementing the backend.
- Enhanced skills in using **ReactJS** and how to connect it to Django when implementing frontend.
- Gained skills in **applied statistics** when translating and enhancing performance metrics to **Python** from excel.
- Gained knowledge of **supervised learning algorithms** when researching, designing and implementing **machine learning models** for player screening.
- Enhanced knowledge and skill in using **Firebase authentication/authorization** when implementing login.
- Developed skills in **NoSQL** databases when persisting user and player data in a **Firebase** database.
- Gained skills in preprocessing large data-sets when working with APIs from vendors such as **WyScout** and **ELO**.

### React developer – Dogout June-September 2019 | Stockholm, Sweden

- Gained skills in using **Firebase authentication/authorization** and persisting data in **NoSQL-databases**.
- Gained skills in **JavaScript**, **ReactJS** and **React Native** when designing, planning and implementing a **web app** for dog shelters and a **mobile application** for seniors to schedule a dog walk.

### C# Software Engineering – Fakturino AB June-November 2018 | Stockholm, Sweden

- Gained skills in **HTTP Requests**, when decoupling and refactoring the mail automatization by capturing data with JavaScript, sending it with JSON to the server, through an API, to the Webservice Mandrill and finally, to the customer.
- Developed skills in **C#** and **.NET** when navigating and programming in a limited documented code base.
- Grew new skills in **Azure Database**, when working with CRUD operations in C#.

### Java Software Engineer – Ramsovarvet AB April-July 2018-2019 | Stockholm, Sweden

- Expanded my skills in **Java EE development** when developing a **Glassfish** based web application.
- Applied and furthered my knowledge in **requirement capturing** when eliciting requirements from numerous actors.
- Grew my skill of **UML-modeling**, when modeling ERD, analysis/design classes, and interaction diagrams.
- Broaden my knowledge of **MVC** when planning and programming the system.
- Developed skills in 'Virtual Private Servers-hosting', when setting up a Linux Mint deployment environment.
- Developed skills in **SSH** and **Linux**, when setting up **Glassfish**, **Java** and **SQLite**.
- Gained deeper understanding of **Java-Form-Authentication** when implementing log-in and authorization

## ***Projects and extracurricular***

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- Won 2<sup>nd</sup> prize in a **Hackathon**, hosted by **Wayfindr, AWS, TFL and RSSB**.  
Earned skills and experience in software development when developing a sensor analyzing platform, to help visually disabled people navigate the London Underground.
- Developed above 40 web-pages in pure **HTML/CSS/JavaScript**, also building my own WordPress Themes in PHP and implementing others, when working as a freelancer.
- Gained deeper skills in **Algorithms and Data structures** when completing above 30 programming problems of **Kattis Problem Archive**.
- Developed skills in **block chain validity**, proof-of-work, miner rewards and cryptocurrency transactions when implementing **a simple Blockchain in JavaScript**.