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Gustave Rousselet

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Relevant Work Experience

Technician	**IT Mästaren**	**Summer 2016**

- IT Technician working in following environments:
- Windows, MacOSX.
- Mobile technology, Windows server maintence, client maintence.
- Domain configuration, client configuration.

Education

Stockholm, SE	**KTH Royal Institute of Technology**	**Fall 2016 − Summer 2020**

- BSc & MSc in Computer Science and Engineering.
- Undergraduate Coursework: Algorithms and Data structures;Programming; Discrete Mathematics; Numerial Methods; Paralell Programming; Human-Computer Interaction; Linear Algebra; Calculus.

Stockholm, SE	**Kungsholmens Gymnasium**	**Fall 2011 − Summer 2014**

- Natural Sciences International Seciton (specialization in Mathematics)
- Courses: Mathematics specialisation

Technical Experience

Projects

- **Junction Hackathon Winner (2016)** Participated in Europe's biggest hackathon with over 2000 participants. Teamed up with 4 classmates from KTH and won the GE Energy challenge in the Intelligent Buildings track. Worked on the backend in JavaScript developing a web-based application which analysed past user electricity usage and made smart suggestions on how to minimize energy costs and carbon footprint. Developed intelligent algorithms which analyzed future prices and past usage and minimized electricity costs and carbon footprint. Built the backend to integrate with Google NEST and iOS/Android app.

- **2D Game Engine** Built a game engine using the Slick2D framework, built entirely using Java. Built the game with a classmate and developed a framework for a game engine which could be used to create other 2D games. The theme/characters/dialogue/items would be of the creators choice. Implemented automatic generation from text files and Tiled map using algorithms built in Java.

Extra-curriculars

- **Palantir Case-Solving (2016)** Participated in a case solving event with Palantir Technologies. Teamed up with a group of Machine Learning masters students from KTH and developed a plan for a data analytics solution specifically tailored for Police for dealing with asylum home arson. Made the solution user friendly and scalable for future re-use.

Languages and Technologies

- Java; JavaScript(Node.js); Python(Django); Swift; Git
- Sublime Text; IntelliJ; PyCharm;WebStorm; Xcode