Simon TENGGREN

5th year engineering student | Information and Communication Technologies, LTH

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I am an engineering student in Information and Communication Technologies at **Lunds tekniska högskola.** The education is centered on giving the core engineering competences such as **mathematics, physics,** and **control technologies**. My program specifically has given me **competence in programming, communication technologies, computer security,** and **human centered design.** I specialize in software development where I've learned to appreciate writing good and well performing code and using various technologies and methods.

I like to face new and exciting problems where I can apply the experience that I have acquired through both my studies and through real life, but I'm not afraid of "rolling up my sleeves" and facing **new and diverse problems.** Because I know that after facing hardships I emerge as a better, more experienced individual.

🎓 EDUCATION

2016 -	Information and Communications Technologies, MSc Engineering Program, Lunds tekniska högskola

📊 SKILLS

Programming	C, Java, **SQL**, PHP, SQL, **JavaScript**, Python, C++, HTML, CSS, LaTeX
Frameworks and Libraries	NodeJS, React, NumPy, ExpressJS
Development Tools	Oprofile, **Valgrind**, GDB, Gradle, Make, Android Studio, **git**
Operating Systems	Microsoft Windows, Arch based, Debian based
Other software	Adobe Photoshop, MS Office Suite

💼 EXPERIENCE

Oct. 2019 April 2019	**Student Consultant / Developer, FORTLAX DATACENTER, Malmö** I worked as a student consultant at Fortlax Datacenter mainly doing work as an API developer using NodeJS. Occasionally doing frontend work as well. › Got some experience working in real life **environment.** › Learning **new technologies quickly.** › Making **decisions that make an impact.** JavaScript PHP NodeJS
Jan. 2019 Nov. 2018	**Teachers Assistant	Programming Basic Course, JAVA, Lunds tekniska högskola** I currently work as a teachers assistant in the basic programming course at LTH. › Practice my **educational** skills › Hone my **communication** skills › Rehearse the basics › Get **new perspectives** on old problems Java Eclipse
Aug. 2018 Jun. 2015	**Service Operator, STORA ENSO, Nymölla** During the recent summers I've worked as a service operator at the Stora Enso paper mill in Nymölla. › Experience with large amounts **responsibility** to deliver a great product › Working at uncomfortable hours (**night shifts**) › Getting experience of seeing a product from start to finish

🌐 LANGUAGES

English	● ● ● ● ●
Swedish	● ● ● ● ●
French	● ● ● ○ ○

➕ STRENGTHS

› Disciplined
› Listening
› Autonomous
› Analytic
› Persistent

🖥 PROJECTS

A SPECIALIZED B-TREE DATA STRUCTURE FOR DATALOG EVALUATION IN JAVA
2020-2021

🔗 Paper   🔗 Source Code

Java implementation of the Specialized B-Tree by the Soufllé team. For use in Datalog engines powered by Java. Specialized hint and synchronization for semi-naïve evaluation. Evaluated and compared to other datastructures in the Java runtime library.

`Java` `C++` `C` `Gradle` `JIT-Compilers` `Evaluation`

GENERAL TEXT PREPROCESSOR
2020

🔗 github.com/taff3r/GeneralTextPreprocessor   🔗 Demo

A General Text Preprocessor inspired by the C-preprocessor. Allows for definitions of macros both simple text replacement and functions. Recursive macro definitions and function calls and conditional statements.

`C` `Make`

PERSONAL WEBSITE
2019-

🔗 simontenggren.xyz

Personal website built using React as Single Page Application. Read about me and my personal interests and hobbies.

`React` `JavaScript` `HTML` `CSS`

❝ REFERENCES

> On demand.