

# EERIK SAKSI

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## EDUCATION

**University of Glasgow**  
MSci Computing (2nd Year Entry)

Glasgow  
Sep 2018 - May 2022

## EXPERIENCE

**UROS**  
*Software Engineer*

Oulu, Finland  
June 2019 - August 2019

- I reverse engineered a project built with LabVIEW, a neural network written in C and an MYSQL database.
- I then replaced LabVIEW and the C library with a singular Python project that used the existing MYSQL database.
- UROS could then use more modern data processing without losing backwards compatibility with existing customer data.

**Leidos**  
*Team project*

Glasgow  
November 2019 - March 2020

- Leidos wanted our 5 person team to help manage their parking at their company.
- I developed most the React Native app, aswell as helping my teammates use FastAPI.

## SKILLS

Javascript/Typescript	★★★★☆	In both backend and frontend
React	★★★★☆	Material UI, React Router, Jest, React Bootstrap, Apollo Client etc.
node.js	★★★★☆	Sequelize, Apollo Server, Jest, Express, node-fetch/node-html-parser, type-orm/type-graphql, PostGraphile
SQL	★★★★☆	Postgres/SQLite and ORM's (SQLAlchemy, Django ORM). Also studied Database Systems in Glasgow.
Python	★★★★☆	Scikit-learn, NumPy, pandas, Django, FastAPI, Flask.
Shellscript	★★★★☆	I develop in Linux, and constantly automate tasks with bash scripts.
Java	★★☆☆☆	Java programming 2, all algorithms classes for code implementations, my primary language to practicing algorithm problems on Leetcode.
C / C++	★★☆☆☆	Reverse engineered and replaced C library at UROS, learned C and C++ in depth in Systems Programming.
Haskell	★☆☆☆☆	Functional Programming in Glasgow.

## ACTUAL LANGUAGES

English	★★★★★	Studied in English almost my entire life.
Finnish	★★★★★	Always speak Finnish at home and now live in Finland.
German	★★★☆☆	Have lived in Switzerland for many years, and have a 4/5 in AP German

## PROJECTS

**Tune Type** *Sequelize, node.js, Express, Apollo Server, GraphQL, Google Oauth, React, Bootstrap*  
[tunety.pe](https://github.com/EerikSaksi/tunety.pe)

With tunety, you can select a song and practice your typing speed to the lyrics and song live. You can also create synchronizations for songs that haven't been synchronized yet. I used YouTube's and Genius's API for searching and metadata. Hosted on Heroku.

**Collaborative Activity Tracker** *Expo, PostGraphile, Typescript, Postgres*  
[https://github.com/EerikSaksi/level\\_5\\_project](https://github.com/EerikSaksi/level_5_project)

As my level 4 project, I'm making a collaborative activity tracker, which should encourage users who are exercising together to be more motivated. It has RPG elements, where getting stronger and being consistent increases your characters and thus your teams damage per second, which allows you to progress to further stages.

**vim-marks-overhaul** *Vimscript* <https://github.com/EerikSaksi/vim-marks-overhaul>  
I overrode a core feature of my text editor (Vim's marks) in order to speed up my workflow. I constantly try to streamline my workflow with other configs as well, which you can find [here](#).

**FridgeGerald** *Django* <https://github.com/EerikSaksi/FridgeGerald>  
FridgeGerald suggests recipes based on what ingredients you have, prioritising those soon to spoil.