

JONATHAN OHLSSON

Computer Science and Engineering

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Sweden, USA (CA)



EXPERIENCE

Software Engineering intern

EF Luzern

June 2016 - Aug 2016 Luzern, Switzerland

EF has a wide range of products, all with an emphasis on education and cultural exchange. I was part of a team that was tasked with building a prototype for their next generation Au Pair Online Application.

- Built as a progressive web app, using Angular 2 and TypeScript, the prototype became fast and responsive.
- Integrated Salesforce as a backend, and built a custom authentication proxy to secure the service, so that EF could use their existing service for the new application.
- (Other project) Built a landing page, and a custom CMS, so marketing personnel could dynamically add content and move content on the page for A/B testing. Built using pure ES6.

ACHIEVEMENTS

Main actor in a play

I have a stage fright, and overcoming this fear has been one of my proudest achievements.

Nordic cup gold in Jiu-jutsu

PROJECTS

Muuse Alert (SB Hacks III Hackathon)

2017 Santa Barbara, CA

A "smart DJ", that makes music management easier during parties

- Android application
- NodeJS server
- React web player
- Youtube API, Spotify API, heroku, Web sockets

B.Sc. Thesis - A Hybrid Approach to Recommender Systems



2016 Stockholm

Investigated combining collaborative and content based recommender systems to improve prediction accuracy.

- Movie recommender system
- Data analysis, using R.
- Improved overall predictions with 11%, as well as reduced problem areas where collaborative data was missing.

PROJECTS


Quid

 2016  Stockholm

Application for debt management.

- Android application
- Go server
- Google app engine, FCM, Datastore, JWT tokens and more
- Java, Go

Quad Tree

 2016  Stockholm

Using quad trees for collision detection in a 2D boid simulation

- Drastically reduced the number of boids to examine for collision, and thus increased performance.
- C++, OpenGL

THS Armada

 2015 - 2016  Stockholm

Sweden's biggest career fair. I rebuilt their online catalog.

- Angular.js
- Material Angular
- JavaScript ES6

EDUCATION



BSc Computer Science and Engineering

KTH - The Royal Institute of Technology

 Aug 2013 - June 2016  Stockholm, Sweden

MSc Computer Science and Engineering

KTH - The Royal Institute of Technology

 Sep 2016 - ongoing  Stockholm (SWE) and San Luis Obispo (USA CA)

- 1 year exchange studies at California Polytechnic State University
- Majoring in Software Technology

PROGRAMMING LANGUAGES

Javascript

Proficient



Java

Advanced



C++11

Intermediate



Go

Intermediate

