

ILSE TSE

ilsetse@gmail.com | +358 041 362 1127 | Portfolio @ ilsetse.com | Github @ [ilsetse](https://github.com/ilsetse)

EDUCATION

In Progress

Mar 2017

M.Sc. Data Science

University of Helsinki, Finland

B.S. Cognitive Science w/ specialization in Computation

Double minor in Computer Science and Psychology

University of California, San Diego, U.S.A.

SKILLS

Statistical languages/tools:

Python (Pandas, NumPy, SciPy, TensorFlow), R, Matlab

Programming languages:

Java, basic SQL, basic C/C++

Web languages:

HTML, CSS, basic JavaScript/JQuery, basic PHP

CMS:

WordPress, Jekyll

Tools:

Android Studio/SDK, SVN/Git, Vim, Sketch, Figma

WORK HISTORY

Sep 2017 - Present

Illustrator

Her Campus, U of Helsinki

- Produce illustrations based on the creative articles from the online magazine

Sep 2016 - Feb 2017

Software Developer Intern

TheTalkList, San Diego

- Translated UI layouts into XML code from PSD design specs

- Pitched idea of a prototype and created it using Invision's web application

- Developed features for Android application using Java

- Used Volley to create login/registration module with Java and MySQL

Nov 2016 - Present

Web Developer / Graphic Designer

keepitinside, San Diego

- Identified client's creative needs and designed/built/maintained website from ground up

Tools: HTML/CSS/PHP/Javascript, Masonry grids

- Designed logo and album / song art for music releases using Figma

RESEARCH

Jan 2016 - Nov 2016

Quantifying the Difficulty of Design Space Exploration

- Paper accepted to the Design Automation Conference Work-in-Progress Poster Session (2017)

- Used Python to implement the ATNE algorithm

- Performed experiments comparing results against Ripley's K function

- Researched spatial descriptive statistics and statistical and cluster analyses

- Presented project at the 29th Annual Undergraduate Research Conference at UC San Diego

Apr 2014

Improving Structure from Motion Efficiency

- Assisted in optimizing feature matching in the SFM algorithm using Intel Intrinsics (Similar algorithm: <https://github.com/royshil/SfM-Toy-Library>)

- Presented project at the 28th Annual Undergraduate Research Conference at UC San Diego

RELEVANT

COURSEWORK

- Modeling and Data Analysis

- Machine Learning and Computational Modeling

- Computational Statistics, Linear Algebra

- Calculus and Analytic Geometry

- Algorithms and Data Structures

- Cognitive Ethnography and Design Studio