

# Uma Zalakain

COMPUTER SCIENTIST · SOFTWARE DEVELOPER

Glasgow

✉ ping@umazalakain.info | 🏠 umazalakain.info | 📱 umazalakain

## Education

---

### University of Strathclyde

BSc HONS COMPUTER SCIENCE

First class honours

Glasgow

2014 - 2018

### Gipuzkoako Urrutiko Batxiler Institutoa

HIGH SCHOOL

Donostia

2012 - 2014

## Skills

---

**Programming** Python, Haskell, Agda, JS, Java, Rust, C, SQL, LaTeX

**Web** Django, AngularJS, HTML5, LESS, SASS

**Management** Git, NixOS & GNU/Linux administration, Bourne shells

**Languages** Basque, Spanish, English, basic Dutch and French

## Experience

---

### GISA Elkartea

ASSOCIATE

Errenteria

2010 - present

- Non-profit organization for the promotion of libre software and the translation of software to Basque
- Developed multiple libre web applications for a local radio station
- Translated multiple libre Android applications to Basque

### TextLab

WEB DEVELOPER & TEXT ANALYST

Glasgow

2016 - present

- Joint research project between the English and Computer Science departments at Strathclyde, see <http://losp.us/>
- Developed a small Haskell library that parses and analyses the TEI-encoded texts provided by the Folger Shakespeare Library
- Developed an evolving static website that publishes our class' work
- Collaborated in meetings with the staff from the Folger Shakespeare Library at Washington, D.C.

### A2H Software Factory

SOFTWARE DEVELOPER

Donostia

2014 - 2016

- Developed small web applications for internal company usage
- Developed a content publishing system focused on third-party integration
- Developed a data extraction and visualization library

### University of Strathclyde

LAB DEMONSTRATOR

Glasgow

2017

- Demonstrated User and Data Modelling labs
- Demonstrated Programming Foundations

## Extracurricular Activity

---

### Hackmeeting

PARTICIPANT

Spain

2009-2013

- Decision making, organization and physical work
- Attended multiple talks and workshops

## Lakaxita Hacklab

MEMBER

*Irun*  
2010-2013

- Lecturer in a brief introduction to Python
- Assistant in a short Django workshop
- Participant in debates involving technology and ethics

## Honors & Awards

---

2018	<b>Andrew McGettrick prize for outstanding performance</b> , University of Strathclyde	<i>Glasgow</i>
2017	<b>Best overall third year student</b> , Baillie Gifford	<i>Glasgow</i>
2014–2017	<b>Dean's Certificate for excellent results</b> , University of Strathclyde	<i>Glasgow</i>
2014	<b>Winner of the Bloomberg challenge</b> , StrathHack Developed a game based on mathematical analysis of financial data	<i>Glasgow</i>

## Presentation

---

### Jornadas de Conocimiento Libre

*Madrid*

PRESENTER OF <GPG: UNA INTRODUCCIÓN>

2016

- A brief introduction to public key encryption using GPG, management of keys, web of trust and keysigning

### Ud4kamp

*Gernika*

PRESENTER OF <EL LADO OSCURO DE GOOGLE>

2012

- Aims to raise awareness of the power that we hand over to organizations like Google

### Arrosa Sareko topaketak

*Bergara*

PRESENTER OF <SEGURTASUNERA SARRERA>

2011

- Security tips for libre radios and grassroots movements

## Other Interests

---

Teaching, dependent types, theorem proving, type theory, category theory, abstract algebra.