

Uma Zalakain

COMPUTER SCIENTIST · SOFTWARE DEVELOPER

Glasgow

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Research Interests

- Programming language theory, type theory.
- Reflective verified problem solvers.

Academic Qualifications

University of Glasgow

MSc COMPUTER SCIENCE

Glasgow

2018 - present

University of Strathclyde

BSc HONS COMPUTER SCIENCE

Glasgow

2014 - 2018

First class honours. Awarded Andrew McGettrick prize for **outstanding performance**.

Thesis title: Evidence providing problem solvers in Agda.

Supervisor: Conor McBride.

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

Skills

Programming	Haskell, Agda, Python, JS, Java, Rust, C, SQL, LaTeX
System administration	Git, NixOS & GNU/Linux administration, Bourne shells
Web	Django, AngularJS, HTML5, LESS, SASS
Languages	English, Spanish, Basque, basic Dutch and French

Honors & Awards

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

Extracurricular Activity

Hackmeeting

Spain

PARTICIPANT

2009-2013

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

Lakaxita Hacklab

Irun

MEMBER

2010-2013

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

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 grassroot movements