

# Damsith Mishra

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## EDUCATION

### THE UNIVERSITY OF EDINBURGH

BACHELOR OF ENGINEERING (HONS.) COMPUTER SCIENCE

September 2018 - Present | Edinburgh, UK

Classification: First Class (Predicted)

## EXPERIENCE

### ZESTY LLC | CO-FOUNDER & SOFTWARE ENGINEER

Apr 2019 - Present | Riverside, CA

- As a co-founder of the company, worked on shaping the product idea, technologies used and business plans.
- Developed RESTful APIs in Falcon and Flask for the MVP and later lead the migration to FastAPI leading to 5-10x faster server response times.
- Lead development of the user facing website for the MVP in ReactJS.
- The website and the company has now been launched and funded, and the website been handling more than 1000 sessions/week without a problem.

### UNIVERSITY OF EDINBURGH | TEACHING SUPPORT

Sep 2019 - Present | Edinburgh, UK

- Teach Introduction to Haskell, Intro to Linux, Cognitive Science, Computation and Logic and general programming concepts to a cohort of over 400 students.
- Marked and assisted in conduction of the exam.

### WORLDQUANT LLC | RESEARCH CONSULTANT

Jun 2019 - Oct 2019 | Remote

- Selected to be a part of the research consultant programme after breaking into the top 1 percentile of participants of the WorldQuant challenge.
- Created algorithm-based models using Python and propriety libraries that seek to predict movements of global financial markets.

## PROJECTS

### EASYSHOP | NODEJS, PYTHON, APIS, AZURE CLOUD

Nov 2018

- EasyShop is a chatbot to find products using pictures and get best possible deals.
- Researched and found multiple third party APIs to accomplish our objectives and integrated it into our application by building a pipeline to move information efficiently.
- The payment processing was done with the integration with Visa API.
- The whole end to end solution is deployed on the Azure cloud and can be accessed on any social messaging service.

### LINGUASTREAM | PYTHON, TKINTER, APIS, GOOGLE CLOUD

Apr 2019

- LinguaStream is a real time translation and transcription service along with an analysis and reference platform.
- Speech to Text transcription and translation are done through Google Cloud APIs.
- Captioning service is written in Python using tkinter, APIs are made using the FastAPI library.

## SKILLS

### PROGRAMMING

Over 5000 lines:

Python • Java • C/C++ •  $\LaTeX$

Over 1000 lines:

Ruby • Haskell • Javascript

PostgreSQL • Neo4J

Familiar:

Flutter • ReactJS • MySQL • Shell

### VCS & BUILD TOOLS

Git • TravisCI • Jenkins • Github Actions

### CLOUD SERVICES

Familiar:

AWS • GCP • Azure

## AWARDS

2019 DigiEduHack

2019 HackKosice

2019 Cyber Defence Exercise

2018 Local Hack Day

2018 Oxford Hack

2018 Glasgow Hack

2017 DPS Noida

## TRAVEL &

## CONFERENCE GRANTS

\$250 ELC, Edinburgh

\$250 PenApps, Philadelphia

£150 Algothon, London

€150 CEE Hacks, Prague

€150 DENEFF EE Hack, Berlin

€120 HackUPC, Barcelona

£75 Hack Cambridge

€75 Junction, Helsinki

## COURSEWORK

Algorithms and Data Structures

Computer Systems

Data Analysis

Machine Learning

Software Testing

Computer Simulation

Functional Programming

OOP Programming

Software Engineering

Numerical Computation

Linear Algebra

Discrete Mathematics

## ACTIVITIES

EU Programming Society

EU Trading and Investment Club

CompSoc