Sam Lubbers

September 2015

Started Bacherlor of Science in Computer Science with Business (University of Bath, UK).

Summer 2016

Interned as Web Developer at Maxem Energy (Amsterdam, The Netherlands).

October 2016

Chaired the People and Planet Society (University of Bath, UK).

May 2017

As chair of the society I led a successful campaign that forced the University of Bath to withdraw £500.000 in investments from the fossil fuel industry.

June 2017

Interned as IT & Software Engineer at Pavegen (London, UK).

The third year of my bachelor's was a placement year, a year dedicated to work in industry.

During the first internship of my placement year I advanced my **Python** skills with the books *Automate* the boring stuff with Python and Effective Python. I also started learning machine learning with the online course Machine Learning A-Z and the book Machine Learning in Action.

November 2017

January 2018

Interned as Software Engineer at Evolution AI (London, UK).

During my second placement year internship, I coded the backend and frontend of a Natural

June 2018 Language Processing platform. I worked with Python, Flask, SQL, HTML, CSS, Javascript and Vue.js.

Summer 2018

Improved my knowledge of probability and statistics, linear algebra and calculus.

In order to meet the application requirements of machine learning master's, I undertook MIT OpenCourseWare online courses on Probability and Statistics, Linear Algebra and Calculus.

October 2018

Thesis: using machine learning to reduce deforestation (mark: 81%).

For the final year thesis of my Computer Science bachelor's, I implemented and evaluated various systems that make use of computer vision and machine learning techniques to automatically identify land use in rainforests based on satellite images.

May 2019

During my thesis I gained experience with the Python libraries **NumPy**, **pandas** and **scikit-learn**.

June 2019

Graduated from Bacherlor of Science in Computer Science with Business with first-class honours (average mark: 74.55%).

August 2019

Work for Extinction Rebellion (Amsterdam, The Netherlands).

Because of the pressing climate and ecological crisis, after finishing my bachelor's I declined the offer to do a master's in Machine Learning at the KTH Royal Institute of Technology and decided instead to work full time for Extinction Rebellion, one of the fastest growing and most powerful grassroots movements in the world.

I primarily work as part of the tech team responsible for developing, implementing and maintaining the technical infrastructure of Extinction Rebellion Nederland. In this team, I lead the development of an open source volunteer platform, I ensure the effective and secure use of the member database and mass mailer, and I improve the website. I am also responsible for recruiting and assisting people to develop and maintain other systems, such as our self-hosted cloud service, encrypted email, wiki and live streaming system.

Present

In addition to my work in the tech team, I have given 15 talks to a total of 300 people as part of the outreach team, and I assit the integration team with increasing the retention rate of new members.