

# ASHILD KUMMEN

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## SKILLS

**Programming:** Python (Pandas, Numpy, Scikit-Learn, Regex, NLTK, Matplotlib, Seaborn scikitlearn), SQL, Matlab, R (Tidyverse, dplyr, ggplot2, glmnet, R Markdown), HTML & CSS, Bash  
**Software:** SPSS, Minitab, MS Office (Word, Powerpoint, Excel), Photoshop, Windows, MacOS  
**Other:** Quantitative & Qualitative Research, Statistical Analysis, Version Control (Git), NLP  
**Languages:** English (fluent), Norwegian (native), British Sign Language (beginner)

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## EDUCATION

### MSc Computer Science | University College London

Sep 2020 – Sept 2021

The degree covers computer science theory as well as practical software engineering, including teamwork with industrial and research clients. Involved in (three) groups projects, including application design and development for an external client, and software engineering with Python and Java.

Relevant modules: ML for domain specialists, project management, information management, algorithmics.

- The thesis will be an industrial placement over the Summer term.

### BSc (Hons) Psychology | University College London | 1<sup>st</sup> (with distinction)

Sep 2017 – Jul 2020

Embodied key theories on the underlying mechanisms of human behaviour.

- Received **Faculty Medal** as part of **top 5%**, in terms of academic performance.
- Relevant modules: machine learning for behavioural analytics, advanced multivariate statistics.

**Thesis:** "Does environmental bias influence sensory detachment?" with Dr Lucie Charles and Prof Patrick Haggard. Designed experiment, collected, and analysed data on unwanted perceptual influences on decision making and metacognitive awareness of such influences. Manuscript in prep. (first author).

- Awarded the UCL **Henry Plotkins prize** for best thesis.

### Boston College Experience Program | Boston, USA

Jun 2015 – Aug 2015

- Introduction to Psychology (A), Introduction to Philosophy. Volunteered with children's hospital.

### Akademiet Sandnes Upper Secondary School | Sandnes, Norway

Aug 2014 – Jun 2015

A\*: Mathematics, Biology, Chemistry, Economics, Physics, Natural Sciences, Spanish, English.

### Online Courses

Jun 2020 – Sept 2020

- **Mathematics for ML (Specialization)**, Imperial College London, Coursera, 15 weeks of study.
- **Applied Data Science with Python (Specialization)**, University of Michigan, Coursera, 20 weeks of study.

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## WORK EXPERIENCE

### Institute of Cognitive Neuroscience | University College London

May 2019 – May 2020

Involved in the data analysis and pre-registration of research on the perceptual narrowing of foreign speech sounds in 15-18-month-old children, under the supervision of Dr Evelyne Mercure. Manuscript in prep, where I'm listed as the second author. (Open Science Forum: <https://osf.io/w2zjt/>).

### King's College London Hospital

Jan 2019 – Dec 2019

Assisted on writing and performed the statistical analysis of research on hardware failure in patients with diabetic foot surgery, led by Prof Venu Kavarthapu. Published in AOJ (doi: [10.21037/aoj.2020.01.06](https://doi.org/10.21037/aoj.2020.01.06)).

### Institute of Psychiatry | University College London

Oct 2018 – Mar 2019

Wrote blog posts summarising research on environmental factors with psychotic disorders, led by Dr James Kirkbride. (Website: [psylife.eu/blog](https://psylife.eu/blog)).

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## COMPETITIONS

### UCL COVID-19 Recovery Competition | 2nd Place

Jun 2020 - Jul 2020

As part of a team of three, we developed an innovative approach to mitigate spread of Covid-19 in hospitals. We proposed employing a real-time tracking system with radio frequency tagging where movement is recorded as a series of spatiotemporal events, and the data analysed to make causal inferences about when and where the virus spreads. (Website: <https://ashildkummen.github.io/traverse/>).