

JUSTIN ARISTA KASIN

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EDUCATION AND AWARDS

BSc Mathematics and Statistics (Hons)

University of Edinburgh

Sep 2015 - May 2020

Degree classification: 1st Class

- **Dissertation:** Developed spatial Poisson hurdle models in R ([source code](#)) to forecast monthly counts of wildfire occurrences (91%).
- Notable taught courses include [Introductory Applied Machine Learning](#) (90%) and [Incomplete Data Analysis](#) (83%).
- Awarded with *The Institute and Faculty of Actuaries Prize* in 2018 for best results in [Probability](#) and [Statistics](#).

WORK EXPERIENCE

Graduate Software Engineer, Credit Data

JPMorgan Chase & Co.

Sep 2020 - Current

- On course to help slash annual expenditure by **2 million USD** by migrating our team's data products to [kdb+](#).
- Provided management with visibility into usage of our team's data interfaces by logging them in *Splunk* and developing a tool to query and generate data usage reports, on demand.
- Collaborated with five other graduates to help a nonprofit improve their standard operating procedure by developing a recommender system, as part of the firm's [Force For Good](#) initiative.

System Administrator

Information Services Group, University of Edinburgh

Feb 2019 - Jul 2020

- Maintained a **5-star** *UniDesk* rating while on support by promptly responding to users' queries and regularly updating them.
- Reduced time spent on examining log files by **95%** by developing a *Python* tool to query and retrieve logs from multiple servers.

Software Engineering Intern, Developer Tools

JPMorgan Chase & Co.

Jun 2019 - Aug 2019

- Helped to **double** the number of *Python 3* compatible modules by developing a new tracking dashboard for developers.
- Removed migration pain points through quality of life improvements such as storing pre-computed data in a cache to reduce load times by **50%**, and allowing developers to load relevant modules to their editors directly from the dashboard.

Software Engineering Intern

Metaswitch Networks

Jun 2018 - Aug 2018

- Increased time efficiency by **75%** by writing automation tools to upgrade and deploy test rigs in *Docker* containers.
- Improved code standardization by developing a *Rust* tool to document and publish internal microservices in a centralised space.
- Eliminated all risks of test servers breaking due to expired certificates by collaborating with rig owners to write a *bash* script that automatically renews HTTPS certificates on their test systems.

LEADERSHIP AND ADDITIONAL EXPERIENCE

Head of Marketing and Sector Head

Prosper Social Finance

Apr 2018 - Apr 2019

- Increased number of sessions by **50%** and reduced bounce rate by **16%** by revamping our company website.
- Developed our fund's own [portfolio tracker](#) on our company website in the spirit of transparency – one of our core values.
- Managed 14 analysts to research companies based on our core values; convinced the investment panel to invest £4,000.

MathPALs Student Leader

Edinburgh University's Student Association

Sep 2018 - Nov 2018

- Maintained **90%** helpfulness rating on average while mentoring 10 students enrolled in [Introduction to Linear Algebra](#).
- Developed group management skills by facilitating discussions and encouraging quieter students to speak up.

SKILLS, LANGUAGES, AND INTERESTS

Skills Python, R, git, bash, JavaScript.

Languages English (Native), Indonesian (Native), Hokkien (Native), Mandarin Chinese (Basic).

Interests
Casual mathematics: *Alex Bellos's Monday puzzle*, Nonogram, and Sudoku.
Hiking: Summited *Mt. Stong* and *Mt. Ayam* in 2014 with *Tahan Mountain Trekking Club*.
Running: Raised £500 for *Cancer Research UK* by participating in *Scottish Half Marathon 2018*.