

ROBERT PURINGTON KOENIG

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EXPERIENCE

- Oct' 2022 - Present **Samsara**
Software Engineer
- Researched, designed and implemented improvements to AI false-positive detection product, improving accuracy by 100%+ for tailgating videos, accounting for 50%+ of total volume.
 - Identified and implemented software improvement to avoid 30k+ manual button clicks per day
 - Proactively interviewed 10+ users, through which I identified numerous improvements
 - Lowered latency of large, complex backend operation by 10-50x depending on load
 - Implemented complex CSV system which will be used by 10k+ enterprises
 - Wrote 80 pieces of new internal documentation and won hackathon for AI code review [tool](#)
- Sep' 2021 - Oct' 2022 **Starling**
Software Engineer
- Part of team which designed and implemented part of [new public API](#)
 - Implemented new budget functionality within customer facing [web application](#)
 - On own initiative, wrote the documentation for Starling's backend, viewed thousands of times
- Jan' 2020 – July 2020 **Freelance**
Software Engineer
- Re-developed the website for a Norwegian Arctic tour company, comprising 15+ web pages
 - Built trip planning functionality and content management systems
- Feb' 2017 – Dec' 2019 **Spoonzy**
Founder and CEO
- Designed and built a full stack innovative online grocery shopping [platform](#)
 - Gained thousands of users, raised £100k investment and led two employees
- Sept' 2013 - Sept' 2016 **Baillie Gifford**
Investment Analyst
- Performed long-term, bottom-up, deep-dive analysis on global equities, focused on software
 - Successfully recommended investment in Reply (REY) which appreciated 7,000%
 - Signed off as investment manager prior to departure in firm named the UK's best asset manager

EDUCATION

- July 2020 - Sept' 2021 **University of St Andrews**
MSc Computer Science, 1st Class
- First class marks on all modules and coursework
 - Built [digital learning platform](#) for organic chemistry in collaboration with Edinburgh University
- Dec 2014 **CFA Institute**
Chartered Financial Analyst Level 1
- Top marks in every exam category
- Sept' 2010 - June 2013 **SOAS and King's College London, University of London**
BA (Hons) Middle Eastern Studies and Geography, 1st Class
- June 2011 – Aug' 2011 **London School of Economics, Summer School**
Statistics (A) Microeconomics (A-)

INTERESTS AND VOLUNTEERING

- Squash* Reached league 1 out of 14 at a competitive club. League organizer. Volunteer squash coach.
- Pickleball* Founded Edinburgh's first pickleball group, now 200+ members.
- Tutoring Society* Founded and led university society which tutored and mentored 20+ sixth form students
- Debate Society* Chair of SOAS Debate Society, placed 4th out of 74 at London School of Economics Intervarsity
- Travel & Volunteering* From 2009-2010 traveled extensively in the Middle East to Yemen, Lebanon, Syria, and Israel.