

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 eliminate 30k manual button clicks per day
 - Proactively interviewed 10 users, identifying 5 major improvements for AI review [product](#)
 - Lowered latency of large, complex backend [configuration](#) operation by 10-50x
 - Implemented complex CSV upload system which will be used by 10k+ enterprises
 - Wrote 90+ pieces of new internal documentation and won hackathon for AI code review [tool](#)
 - Awarded Impact and Excellence plaque for implementing new temperature-aware idling alerts and per-driver idling heatmap [features](#) presented by CEO in quarterly meeting
 - Increased fuel efficiency [benchmark](#) coverage 20% and lowered backend latency 10x
 - Co-created real-time fuel efficiency backend, improving report delay from 3 days to <1 hour
 - Above P90 for PR count, length and reviews and nominated for Intellectual Honesty award
- Sep 2021 – Oct 2022 **Starling**
Software Engineer
- Contributed to [new API](#) and customer-facing [web application](#)
 - On own initiative, wrote the first docs for Starling's backend, viewed thousands of times
- Jan 2020 – Jul 2020 **Freelance**
Software Engineer
- Re-developed 15+ page web application for Norwegian Arctic tour company
- Feb 2017 – Dec 2019 **Spoonzy**
Founder and Software Engineer
- Built grocery [platform](#) gaining thousands of users and £100k investment and led two employees
- Sep 2013 – Sep 2016 **Baillie Gifford**
Investment Analyst
- Analyzed global equities with software focus, leading Reply investment which grew 7x
 - Signed off as investment manager prior to departure in firm awarded UK's best asset manager

EDUCATION

- Jul 2020 – Sep 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
- Sep 2010 – Jun 2013 **SOAS and King's College London, University of London**
BA (Hons) Middle Eastern Studies and Geography, 1st Class
- Jun 2011 – Aug 2011 **London School of Economics, Summer School**
Statistics (A) Microeconomics (A-)

INTERESTS AND VOLUNTEERING

- Sports* Reached league 1 out of 14 at a competitive squash club, volunteer squash league organizer and coach, founded Edinburgh's first pickleball group, and placed in top 10% in two triathlons
- Tutoring Society* Founded and led university society which tutored and mentored 20+ sixth form students