

Sven Struan Finlay

Computer Scientist:
SSE, HCI & AI

-  12 November, 1996
-  London, UK
-  info@svensfinlay.tech
-  Irish & South African

Program Languages

-  Experienced ● ● ●
 -  Java
-  Competent ● ● ●
 -  JavaScript, C, C++, Python
-  Basics ● ● ●
 -  Haskell & MATLAB








Industry Knowledge

-  Software Development
-  Agile Development
-  Software Architectures
-  Requirements Engineering
-  Web Dev
-  Research
-  Data Visualisation

Tools and Technologies

-  Git & Subversion
-  Gradle, Maven, ANT & MAKE
-  Angular, jQuery, React, VueJS
-  D3 & Tableau
-  CSS3 & HTML5
-  SQL
-  OpenCV
-  L^AT_EX and Markdown
-  Linux, Windows and MacOS

Interpersonal

-  Team Leadership
-  Project Management
-  Conflict Resolution
-  Team-Working
-  Public Speaking
-  Problem Solving
-  Cross-functional Teamwork

Education

UCL | MSc Software Systems Engineering 2020

2019-2020

- **Distinction**
- Course Representative
- **Relevant Modules:** Tools and Environments, Requirements Engineering and Software Architecture, Professional Practice, Software Abstractions and Systems Integration, People and Security, Validation and Verification & Multi-agent Artificial Intelligence.

University of St Andrews | BSc (Hons) Computer Science

2015 - 2019

- **First Class (1:1)**
- **High Achievement Modules:** Software Engineering Practice, Constraint Programming, Information Visualisation and Visual Analytics, Logic and Software Verification, Artificial Intelligence Practice, Video Games, and Software Engineering Team Project.
- **Extra Curricular:** Computer Society Committee | Manager of University Big Band

Work Experience

Medidata | Innovation Scientist - Intern

Summer 2019

- Worked in a team of clinical trial experts developing new innovative ideas for the company.
- Developed a proof-of-concept(PoC) system integrating 3D printing into the medical supply system.
- Rapidly adapted to understanding of clinical trials and its software systems to develop PoC.
- Cross-functional teamwork, python, agile development, system design and project management.

The Saint | Web Editor

2018 - 2019

- Oversaw the now award-winning website redesign while managing and growing the team.
- Developed skills in leadership, UX design, WordPress, MySQL, and cross-functional teamwork.

Rothschild & Co | Insight Intern

Aug 2018

- Analysed investment opportunities and market direction with the wealth management team.
- Developed skills in strategy and critical thinking.

Code First: Girls | Assistant Instructor

2018 - 2019

- Assistant instructor for the python course with a focus on backend web development.
- Developed skills in public speaking, communication and planning

University of St Andrews | Research Intern

Summer 2018

- Wrote software in MATLAB to solve classification issues with medical data for the NHS.
- Developed skills in MATLAB and Machine learning techniques (e.g. SVM)

Latest Projects

Intel Partnership | UCL IXN Dissertation project - Team Lead

- Team Leader and project manager for novel visual assistant project.
- Requirements: Develop a visual assistant for the blind with the RealSense depth camera.
- A PoC modular service platform for rapid ML inference and environment analysis development.
- Creation of new PoC visual assistant for blind using Intel Realsense, OpenCV, NodeJS & C++.
- Accepted and to be published at GOSH conference 2020.

IBM Partnership: UCL IXN Minor project - Team Lead

- Team Leader and project manager for new plug and play chatbot builder.
- Requirements: Develop a chatbot builder for non-programers using Node-Red and IBM Watson.
- Developed a PoC system that allows for easy development and hosting of a chatbot.

BSc Dissertation: Programming the NAO Robot to Learn

- Developed a NAO robot for unscripted reactionary behaviour.
- Using neural nets for visual pattern recognition to control bespoke actions.
- Developed with Java, NAO SDK and Encog.

The Saint website redesign - award received

- Managed technology and publishing of The Saint Newspaper website.
- Overhauled both the backend and frontend during my time as head. <http://www.thesaint.scot/>.

Awards

Final year Deans' award.

St Andrews 2019

Amazon Scotland Competition Winner.

Stacshack 2017

1st Place StacsHack Hackathon.

Stacshack 2017

Best student publication website UK runner up (after redesign).

SPA Awards 2019

Unsung Hero Award for Commitment and Work Ethic.

The Saint Awards

Extra-Curricular Activities

Music

I am a jazz and classical musician focusing on saxophone and piano. Having managed and played in bands has given me a very creative hobby.

Cooking

Enjoy cooking and baking in my free time to spark my creativity.