

Sven Struan Finlay

Email: info@svensfinlay.tech or ssf6@st-andrews.ac.uk

Mobile: (+44) 07802693194

Website: www.svensfinlay.tech

Home Address: 64 The Mount, Guildford, Surrey, GU2 4JB

Education

University of St Andrews

BSc (Hons) in Computer Science

Currently in 2nd year, graduating in 2019

September 2015 - Present

St Andrews, Scotland

South African College High School (SACS)

A levels equivalent

January 2010 – December 2014

Cape Town, South Africa

- **Graduated Cum Laude First Class**
- Best Subjects: Mathematics, Physics, Computer Science, Music
- Awarded full school colours for Academics and Music
- On school honours board for exceptional academic performance.
- Science Society Committee Member
- Voluntary Mentorship Program - Mathematics, Physics and Computer Science tutor

Recent Awards

1st Place StacsHack (hackathon)

Awarded for Star Wars Dungeon project.

March 2017

Amazon Development Center Scotland Competition Winner

Awarded for creating a social Skill for Amazon Alexa assistant.

March 2017

Skills

Programming and Scripting Languages

- Proficient: Java;
- Medium: C, Python;
- Basic: JavaScript, Haskell, HTML, CSS3, Assembly,

Operating Systems

- Windows,
- Linux (Fedora)

Tools

- Latex
- JQuery & AngularJS (Basic)
- Mocha & Chai (Basic)
- Git
- Mercurial

Database Tools

- Solr(Basic)
- CouchDB (Basic)
- MySQL (Basic)
- XML & JSON (Medium)

Projects

Independent Projects and Competitions

SaintsBoard

Hack the Bubble 2016

- A Reddit clone that my team designed and built during a 12-hour hackathon to be implemented into the university student portal.
- Implemented using Solr and JavaScript.
- Can be found on my github page: <https://github.com/SvenStruanFinlay/SaintsBoard>

Star Wars Dungeon

StacsHack 2017

Mentioned above for which Awards were given.

- A combination of Star Wars and Dungeons and Dragons represented in 2.5D where the game master controls the environment via voice control through the Amazon Alexa. My contribution included the design and implementation of the game map and the movement of the players.
- Implemented using TCP, Java, HTTP
- Can be found on my github page: <https://github.com/SvenStruanFinlay/InternalServerError>

I have also competed in several weekend inter-university computer Olympiads.

Degree related Projects While at St Andrews I will have completed over 25 CS projects, both individual and team. These include a Loco -> postscript compiler, an implementation of backgammon with GUI and an AI, and an implementation of Hunt-the-Wumpus.

I have achieved First's for most projects and for my most recent one 100%.

The latter project written in python redefined the basics of math's to be modules and built a GUI component to the project.

Personal Strengths and Character References

Reference from my South African A Levels equivalent mathematics teacher.

"Sven is an intelligent and absolutely dedicated and conscientious young man and has consistently achieved outstanding academic results particularly in mathematics, computer science, physics, and in music. He has an enquiring mind and a positive and enthusiastic attitude. He is of excellent character and is a well-liked and friendly young man".

This reference and others references which say similar things including that I learn quickly, am diligent, and work well in a team, are available on request.

Work Experience

Computer and technology related holiday jobs were limited during my South African school years. I did however find holiday jobs with a small niche Software Company focussed on cloud and software management where I helped install server stacks and worked the remote service call centre (Orange Street Software, Cape Town), and in another holiday with MTN a leading South African mobile phone and telecommunication company. The work involved fixing the company's website and learning about java. I also worked in a front of house position in a Cape Town restaurant where the French Chef is Michelin star rated. I received an excellent reference from them.

In my first St Andrews university summer holidays' last year I worked in London for Adolphus who provide front of house staff for leading hotels such as The Churchill, Westbury in Mayfair, and the Chelsea Harbour hotel. I received very positive feedback on my diligence, ability to learn quickly, as well as my good customer and guest relations.