

Sven Struan Finlay

Skills

- ❖ Programming Languages
 - Proficient (5 years programming in): **Java**
 - Experienced (Modules taught in these languages) : **C, Haskell & JavaScript (with HTML & CSS3)**
 - Basic: **Python & Assembly**
 - ❖ OS's: **Windows, Linux (fedora mainly)**
 - ❖ Tools: Git, Mercurial, LaTeX, Jupiter Notebook & Node.js
 - ❖ DB: Experienced: XML & JSON | Basic (high school): MySQL, Solr & CouchDB
-

Recent Awards

- ❖ **1st Place StacsHack (hackathon): Awarded for our project: Star Wars Dungeon.**
 - ❖ **Amazon Development Centre Scotland Competition Winner:** As a sponsor for StacsHack 2017, Amazon released a challenge to the teams. The challenge was to build a social skill for the Amazon Alexa. My Team and I won.
-

Education

- ❖ **University of St Andrews (Scotland):**
 - **BSc (Hons) in Computer Science (Averaging high 2:1 (68%)** in 2nd year and aiming for a 1 / 2:1)
 - Graduating June 2019. Currently in Junior Honours (3rd year).
 - **Extra activities:** Marketing officer of University South African Society | Manager of University Big Band | Musical Director of acapella group.
 - ❖ **University of Cape Town Graduate School of business**
 - **Finance for non-Financial managers**
 - A short course taken to learn the basic understandings of finance and financial management
 - ❖ **South African College High School (SACS Cape Town)**
 - Graduated First Class Cum Laude in 2014
 - School colours (highest award) for Academics, Music and Choir
-

Projects

- ❖ **Star Wars Dungeon** Two awards received
 - We built a game in java that was represented in 2.5D and was a combination of Star Wars and DnD (Dungeons and dragons). This is a multiplayer game and the game master can control the game with voice control over Amazon Alexa. I contributed considerably to this project focusing mainly on the game map and player movement.
 - Implemented using TCP, Java, HTTP
 - ❖ **Degree related Projects:**
 - While at St Andrews I will have completed over 30 CS projects, both team and individual.
 - In first year this included a Loco -> postscript compiler, an implementation of backgammon with GUI and an AI, and an implementation of Hunt-the-Wumpus.
 - In second year we (in teams of 3) built programs such as an implementation of GO in Haskell for which I built a compelling AI using a minimax algorithm.
 - Currently in third year we have a year long project for which the class is split up into groups and are collaborating using the SCRUM software engineering framework to build a data analysis website for researchers in the medical school of the university. My team specifically is tasked with building the front-end for this website.
-

Work Experience

In my South African school years' technology, related holiday jobs were limited, but I did find a job with a niche software company focussed on cloud and software management where I helped install server stacks and worked in their call centre. And in another holiday job I worked for MTN a leading South African mobile phone and telecommunications company. I also worked during my gap year at a Cape Town five star restaurant, The Foodbarn as a waiter.

In my summer holiday last year, I worked in London for Adolphus who provide front of house staff for leading hotels. I worked at The Churchill, The Westbury in Mayfair, and The Chelsea Harbour Hotel and received positive feedback on my diligence, ability to learn quickly, as well as on my good customer and guest relations