Alexander WILSON

PERSONAL DATA

PHONE:	07729 346947
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ABOUT ME:	I am a fourth year Computer Science student with an appetite to learn, who loves to work in teams and problem solve. My particular areas of interest are in web development, security, networking, computer systems, and computer architecture.
MY WEBPAGE:	acwilson96.github.io - Hosts my most up to date CV.
MY GITHUB:	github.com/acwilson96

EDUCATION

SEPT 2014 - CURRENT BSc in COMPUTER SCIENCE, **University of Edinburgh**
Classes Include:
Extreme Computing, IoT System Security & The Cloud,
Computer Security, Computer Networking, Compiling Techniques
Computer Architecture, Operating Systems, and Vision & Robotics.

AUG 2007 - JUNE 2014 **George Watson's College**
SQA Advanced Higher Computing: A
SQA Advanced Higher Maths: B
Awarded the George Watson's "Blair Robertson" prize in
Computing Studies

WORK EXPERIENCE

JUN 2017 -SEPT 2017 Software Engineer Intern at KAL, Edinburgh
Worked using C#, C++, and on some internal tools.
My work consisted of using existing software, to create new applications, and create proof of concepts for improving existing products. Presented my work to the entire company to create open discussion.

JUL 2015 -SEPT 2016 Kitchen Porter at ROYAL BLIND: BRAESIDE HOUSE, Edinburgh
Assisted in cleaning and food preparation.
Responsibilities include making sure that the kitchen and food preparation areas are kept clean to a very high standard. I also aided my colleagues in food preparation.

NOV 2014 Freelance work at ACCA, Glasgow
Dismantled high end industrial computer hardware.
My task was to dismantle company machines such as laptops and desktops so that hardware such as Hard Drives containing company data could be disposed of responsibly.

OCT 2013 Work Experience at ACCA, London
Desktop Support
My work experience included auditing PC numbers for asset reconciliation, checking network ports for patch panel maintenance, and setting up conference rooms with microphones and webcam equipment for use with Microsoft Lync.

JUNE 2013 One week intern at NAPIER UNIVERSITY, Edinburgh
Learning to use Arduino with circuits.
Spent a week working with an arduino board to create circuits as part of a robotics

Skills

Languages:	Java, C#, C, C++, MIPS, Python, livecode, MATLAB, mySQL, Haskell HTML, CSS, JS, PHP
Concepts/Technologies:	Object-Oriented Design, MVC, .NET, Nodejs, Sailsjs, React/React-Native(Learning), Electron(learning)

Practical Computing Experience

- Working on the University of Edinburgh Programming Society website. Using React and deploying on GitHub Pages. programmingsociety.github.io

- Currently working on a multi-platform instant messaging application, with plans to extend to cloud storage.

- Created a POC iOS app using react-native to manage a rota for communal resources with my flatmates.

- Created a tiny nodejs app to send email reminders to flatmates in the three days prior to rent due-date.

- Created a small PHP application that runs on my raspberry pi, for me and my flatmates to backup work on our local network.

- Created Google Chrome Extension using Javascript to automate some tasks on an online shop.

- Worked in a small team to create a Vision system which could identify coins.

- Worked in a small team to create a lego EV3 robot which used a PID controller to navigate a track, while also avoiding objects.

- Explored buffer overflows in a linux Virtual Machine.

- Created a stochastic simulator of a bin lorry service to explore graph traversal, and different distributions to model garbage disposal in bins.

Interests and Extra-Curricular

- Travelling
- Food
- Skateboarding
- BMXing
- Sudoku
- Movies
- Dota 2