

Alexander WILSON

PERSONAL DATA

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MY WEBPAGE: acwilson96.github.io - Hosts my most up to date **general CV**.
MY GITHUB: github.com/acwilson96

EDUCATION

SEPT 2014 - JULY 2018 **BSc in COMPUTER SCIENCE, University of Edinburgh**
Classes Include:
Operating Systems, Computer Networking, Computer Architecture,
Computer Security, Software Testing, Compiling Techniques,
Elements of Programming Languages, Parallel Architectures,
Extreme Computing(Hadoop), IoT with Security in the Cloud

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.

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), HADOOP

PROJECTS

- UG4 HONOURS PROJECT** **Microbenchmarking Intel Knights Landing**
Involves writing c++ with inline x86 to evaluate the latencies and bandwidths of the different memory components of the multichip processor.
- PROGSOC WEBSITE** **University of Edinburgh Programming Society Website**
Using ReactJS to create a website for the University of Edinburgh Programming Society that shows info about the society and includes learning resoruces.
- UNI LARGE PRACTICAL** **Bin Lorry Simulator**
Used Java to write a text-based simulator for bin lorries collecting garbage. Involved exploring graph traversal algorithms and different distributions to model garbage disposal in bins.
- UNET** **Instant Messaging Application**
POC using ReactJS to create a single page application using websockets for instant messaging.
Backend written in SailsJS(MVS NodeJS framework).
- FLAT ROTA** **Digital Rota for Communal Resources**
POC using react-native to create an iOS application for creating an anonymous rota for communal resources in my university flat, for example, dish soap or tin foil.
- SUP SCRIPT** **Automatic Purchasing on Webstore**
A FireFox extension that uses JavaScrip to automate actions on supremenewyork.com/shop in order to check out items quickly. Includes some minor work on spoofing/bypassing Google Recaptcha.
- RENT REMINDER** **Sends automated emails regarding rent.**
Small NodeJS script that automatically sends emails to me and my flatmates to remind us to pay rent at the end of the month.
Deployed on my Raspberry Pi.