

Ben Banerjee-Richards

Software Developer

benjamin.mced@gmail.com

Education

BSc Computer Science

The University of Edinburgh

Advanced Higher Maths, Physics, CS

Higher Maths, Physics, CS, Chemistry, English

2016 – May 2020

Expected 2:1

AAA

AAAAA

Experience

Intern Software Developer

May – August 2018

Kyloe Partners

- Designed and implemented a system to send 20,000,000 emails annually with SendGrid, with full integration into the customers recruitment CRM.
- Developed a range of customizations and integrations for multiple clients to help improve the efficiency of their CRM usage.

Intern Software Developer

May – August 2017

Kyloe Partners

Grails, Angularjs, AWS, Liquidbase, Git

- Wrote tool that improved efficiency of internal process by 187%.
- Worked with another intern on both the server side (Grails 3 and MySQL) and the frontend single page application in Angularjs and bootstrap.
- Setup deployment process to AWS Beanstalk and RDS, uses the Liquidbase grails plugin to handle database migrations

Intern Software Developer

May – August 2016

Kyloe Partners

Grails, Groovy, Java, Git

- Designed and implemented a RESTful API to provide access to a large range of recruitment data, secured by a custom Spring Security based authentication system.
- Built administrative interfaces for both the end user and for internal company use to deploy new instances to clients, using Angular 2 frontend.
- Made use of version control (git), unit and functional testing (Spock) and continuous integration (Cloudbees and Jenkins).

Personal Projects

Spotify history analysis

Python, NumPy, Matplotlib, MongoDB

- Continuously downloads song listening history through the Spotify API (around 500 events per minute) and generates a series of events
- Performs analysis to track changing music taste and favourite songs.

'BenLang' – Hobby programming language

Python, ANTLR4

- Turing complete programming language featuring ANTLR based parser, AST generator and type checker
- Generates MIPS assembly

Extra circular

- Attended several hackathons: StirHacks, StacsHack 2017, StacsHack 2018
- Won SkyScanner prize at StacsHack 2018