Ben Banerjee-Richards
Software Developer

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Education

BSc Computer Science   *2016 – May 2020*
The University of Edinburgh   Expected 2:1
Advanced Higher   Maths, Physics, CS   AAA
Higher   Maths, Physics, CS, Chemistry, English   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 an internal process
- 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

Extracurricular

- Attended several hackathons: StirHacks, StacsHack 2017, StacsHack 2018, StacsHack 2019
- Won Bloomberg prize at StacsHack 2019 for "biggest impact".
- Won SkyScanner prize at StacsHack 2018