REMI BAHAR

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PROFILE

An aspiring software engineer and physics graduate with a wide range of experience outside of academia including web development, tutoring, and volunteering.

KEY SKILLS

- PHP – 1+ year
- MySQL
- HTML/CSS
- JavaScript
- Database management
- Requirements Writing
- Web Design
- QA Testing
- Python – 2+ years
- Data visualisation
- GitHub version control
- Object Orientated
- Windows/Linux
- Latex
- Microsoft Office
- IOS/Android

EDUCATION

University of Birmingham | 2:1 BSc Physics | 2018 - 2021

Langley Grammar School | A*AA A-Levels | 2015 – 2017

Long Close School | 6 A*'s, 3 A's, 1 B GCSE's | 2010 – 2015

EXPERIENCE

Web Designer | Comfort Care Services | July 2019 – September 2019
- Worked with management to design software to meet business needs.
- Designed Audit mobile application and communicated requirements with outsourced developers.

Web Developer | Comfort Care Services | 2017 – 2018
- **Led** web-development projects from requirements gathering to implementation to solve problems in the company.
- Gained experience in full-stack web-development using the LAMP stack.
- Collaborated with Auditors and Management to develop an online Audit System. This saved the Auditors several hours a week, increased GDPR-compliance and made the Audit process more collaborative.
- Improved **inter-personal skills** through presenting work in meetings, training staff on how to use the application, and collaborating with other developers.

Teaching Assistant | AE Tuition | 2016 – 2017
- Tutored students facing difficulties in 1:1 Support Sessions for English, Maths, and Science.
- Worked with other Teaching Assistants to mark homework, review student's progress, and give advice to parents.
- A creative approach was required to tutor students with a variety of academic abilities.

PROJECTS

Using Reinforcement Learning to find optimal human swing pumping | University of Birmingham | 2021
- Utilised pymunk python library to develop a physiologically accurate model of a human that could perform standing and squatting movements.

Simulating the Drossel-Scwabl Forest Fire Model | University of Birmingham | 2021
- Developed a forest fire simulation with cluster labelling from scratch.
- Investigated scale invariance and self-organised criticality.

Technical Analysis | Personal | 2020
- Developed methods to perform technical analysis on stocks (EMA, MACD, Bollinger, RSI, and OBV) using the yahoo finance api

Audit System | Comfort Care Services | 2018
- Developed a web-application to schedule and conduct audits.
- Implemented row-based security, CRUD functionality, and complex business logic covering 6 stage audit process.

ACTIVITIES AND INTERESTS

Volunteering with IVHQ in Nepal | June 2018
- Taught English to Primary School students for a month in a government school in Pokhara, Nepal.

Silver Duke of Edinburgh Award | 2015 – 2017
- Involved learning First Aid, doing Kickboxing and volunteering at a local charity shop.
- Developed time-management skills through balancing the award with a part-time tuition job and A-levels.

National Citizenship Service Challenge | July 2016
- Pitched in a team to local businesses to hold a fun day for children with Autism.
- Donated proceeds from the fun day to Slough Crossroads and raised awareness through local campaigning.