SAMUEL SHUM

FULL-STACK SOFTWARE DEVELOPER

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GITHUB

LINKEDIN

PORTFOLIO

PROFESSIONAL PROFILE

I am a passionate software developer who loves having an idea that captures my imagination and using my love of learning and problem solving to bring that idea from a concept to completion. The dissatisfaction of the colleagues from my last role as a chemist, with the new ILMS thrust upon them sparked me to pursue my passion and lifelong love of technology and computers. I want to use my new skills to solve human problems with meaningful digital solutions. Outside of coding I also enjoy photography, DIY and gardening.

TECHNICAL TRAINING

TRAINEE SOFTWARE DEVELOPER

CODE CLAN, *Edinbrugh - Feb 2020 - Jun 2020*

At Code Clan I did a SQA accredited 16-week Professional Full-stack Software Development course that practises Agile Methodologies to teach the fundamentals of software development including:-

- **Ruby web Development** RESTful APIs, Sinatra, Pry, PostgresSQL and Postico
- **JavaScript full-stack development** Vanilla JavaScript, Node.js, Vue.js, Webpack, Express, MongoDB, Insomnia and React
- **Java Advanced OOP** IntelliJ, Spring Boot and Hibernate
- **Test Driven Development** MiniTest, Mocha, Protractor and JUnit
- **Version Control** Git/Github
- **Cloud Deployment** Heroku
- **Agile Principles** stand-ups, pair & mob programming, SCRUM, sprints and Kanban
- **Object Oriented Programming SOLID** principles & the four pillars of OOP
- **UX/UI Design** UML, proto persona, Case/Class/Object Diagrams, Activity Diagram, Wireframe & Site Maps

SOFTWARE

ADOBE
Photoshop, Lightroom & After Effects

EDITING
Sony Vagas Pro & Audacity

PYTHON
Python3

PROJECTS

GYM-MASTER |Github|Link|

|Solo|5-days|Ruby-Sinatra-PostgresSQL|

A web app built following **MVC** design for use in a gym to manage members, classes and instructors. Featuresinclude: -

- add and mange members, classes and instructors
- classes are filtered to accept right active membership and cannot be assigned twice
- members have profile picture upload
- Filter to view the classes scheduled for today

COVID-19 ANGELA |Github|Link|

|Group|5-days|Javascript-Vue.js-MongoDB|

Full-stack web application built in response to the pandemic. Allows the self isolated to make request. Features: -

- add and manage requests as a **JSON API**
- Requests viewable in a list or map format by reusing Vue components
- **Geolocation API** used to locate the user
- **Nominatim API** used to obtain geo-coordinates of the addresses
- **Leaflet** maps used to place markers for each request
- **Google Charts** to display the number of request in each category

EXPERIENCE

ASCO, Damhead Waste Site, peterhead - *Site chemist*   Nov 2018 - Dec 2019

My role was to sample and identify different chemical and general waste from offshore oil rigs

- Identification and segregation included problem solving and intuition
- The company was transitioning to digital receipting and stocking system this involved a lot of learning, teaching others, giving feedback and coming up with work arounds to use this new system.
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Various Chinese Take Aways, Aberdeen - *Delivery Driver, Customer Assistant*   Jan 2004 - Dec 2019

- Worked in a number of chinese takeaways in my free time an fast paced environment in a hot kitchen where customer satisfaction and speedy delivery was key

Tesco Extra - *Customer Assistant*   Aug 2006 - May 2014

- My role included tech support for customer's bringing in broken products for return or repair
- My role included advising customer purchases including teaching customers how to use their new purchase

EDUCATION

Professional Development Award in Software Development - *SCQF Level 8*   *Expected Jun2020*

University of Aberdeen, Aberdeen - *Chemistry(2:1)*   *Sept 2015 - Sept 2018*

VOLUNTEER

Aberdeen Chinese Church - *Youth Leader*   *2013 - 2019*

- Working with energetic kids with short attention spans trained me to adapt, problem solve fast, in an always dynamic environment. While trying to make each child feel valued and involved.
- Trained my skill of compassion and empathy, as kids, teens and sometimes youth are usually unsure of what they are feeling, which I find useful for UX and team-working.