

Oliver Earl

Full-Stack Web Developer, CS Teacher

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RELEVANT EXPERIENCE

Junior Web Developer Jan. 2021 — Present
stickee

Trainee Teacher of Computing Jan. 2020 — Dec. 20
Arden Academy

Placement teacher of OCR GCSE and A Level Computer Science at one of the top state schools in the UK.

- Planning, delivering, and reflecting upon lessons delivered to KS4 and KS5 students, incorporating strong subject knowledge and continuously improved pedagogical approach.
- Ensuring the needs of learners are met via differentiation and by developing inclusive learning resources.
- Marking work, tracking pupils' learning in order to prepare them for examination and further success on their learning journeys.
- Team teaching, observation, and directly assisting students with programming or technical work in classes not conducted by myself.

Demonstrator (Teaching Assistant) Sep. 2018 — May. 19
Aberystwyth University Sep. 2017 — May. 18
Sep. 2015 — May. 16

Part-time teaching position for the Department of Computer Science. The role provides opportunities to reinforce technical and programming knowledge whilst also developing invaluable team-working and teaching skills.

- Demonstrating technical topics to undergraduate students to assist lecturing staff on the delivery of course content.
- Providing direct assistance to help students complete classroom based work and helping to instil good problem solving and computational thinking practices.
- Working together with other teaching staff and demonstrators to maximise support delivery across classes

Front-End Web Developer Intern Jul. 2016 — Dec. 16
Amadeus IT Group

Internship within Research & Development of Amadeus Germany GmbH in Bad Homburg for my sandwich year in my undergraduate degree.

- Member of agile development team working on next-generation travel software solutions
- Using Confluence to document my work or to better understand software developed by my colleagues
- Prototyping front-end frameworks and web technologies, predominantly based on existing research
- Studying cutting edge technologies, including TypeScript and Redux, and partaking in programming seminars and learning opportunities
- Communicating predominantly in German language, both spoken and written

TECHNICAL SKILLS

Back-End — PHP, Laravel, CodeIgniter, WordPress, Livewire, Composer, PHPUnit, Firebase, Redis, MySQL, PostgreSQL

Front-End — HTML5 / CSS3, JavaScript ES6, TypeScript, jQuery, Vue.js, Bootstrap, Tailwind, Webpack, Laravel Mix, GraphQL, RESTful APIs

Gamedev — Godot, Unity, Phaser.js, Aseprite, Krita, Photoshop, Gimp, Audacity

Tools — Git, GitHub, Linux, Bash, Markdown, LaTeX, JIRA, Docker, Vagrant, Test-Driven Development, Agile Methodologies

Miscellaneous — C, C#, Python 3, Java, Arduino C++, Visual Basic .NET, Ruby on Rails

EDUCATION

PGCE 2019 — 2020
Post-Compulsory Education and Training
Birmingham City University

MSc, Merit 2018 — 2019
Software Engineering
Aberystwyth University

BSc(Hons), First Class 2014 — 2018
Computer Science with German
Aberystwyth University

PROJECTS

oliver@hashnode Technical Writing
Frequently updated blog featuring a range of programming and pedagogical topics.

php-hashnode PHP, GraphQL
Lightweight PHP wrapper library for interacting with the Hashnode.com API.

CoronaSim TypeScript, Phaser
An Infectionator-style web and mobile zombie game inspired by COVID-19

Railrota PHP, Laravel
Volunteer rostering and management tool for Corris Railway in Machllyneth, Wales.

OTHER EXPERIENCE

Setup Volunteer Oct 20 — Present
Nightline Association

Listening Volunteer Feb 15 — May 19
Aberystwyth Nightline

LANGUAGES

English — Native language

German — Professional working proficiency