

# George Hum

Sheffield, UK | +44 7818 949205 | [georgehum.com](mailto:georgehum.com)  
[hmw.geo@gmail.com](mailto:hmw.geo@gmail.com) | [linkedin.com/in/georgehum](https://www.linkedin.com/in/georgehum) | [github.com/g30rg3hum](https://github.com/g30rg3hum)

Computer Science Graduate w/ **First-Class Honours @ The University of Sheffield (Graduate VISA)**

## EDUCATION

|  |  |
|--|--|
| <b>University of Sheffield</b><br>Bachelor of Sciences in Computer Science                                     | <b>Sep. 2022 – July 2025</b><br><i>Sheffield, UK</i> |
| <ul style="list-style-type: none"><li>Achieved First-Class Honours with an <b>80% final average</b>.</li></ul> |  |

## WORK EXPERIENCE

|  |   |
|--|---|
| <b>Goodlord</b><br><i>Full-stack Software Engineer Intern</i>  | <b>July 2024 – Aug 2024</b><br><i>Sheffield, UK</i> |
| <ul style="list-style-type: none"><li>Co-owned end-to-end development of new, full-stack agency signup <b>data collection system</b> using <b>React (TypeScript)</b> and <b>Symfony (PHP)</b>, migrating from legacy system and reducing support team workload.</li><li>Improved customer product understanding and <b>reduced support volume</b> by delivering <b>UI/UX improvements</b> focused on clearer microcopy and instructional text.</li><li>Conducted company's <b>first ever A/B test</b> on user response to alternative product placement using <b>Mixpanel tracking</b>, identifying <b>key reasoning behind poor CTA conversion rates</b>.</li><li>Applied <b>Agile</b> practices: leading regular group <b>stand-ups and sizing meetings</b>, engaging in <b>pair programming</b>, emphasising <b>test-driven development</b>, and identifying core <b>business and tech specs</b>.</li><li>Prepared features for all use-cases through robust <b>unit and end-to-end tests</b> using <b>Jest</b> and <b>PHPUnit</b>.</li></ul> |   |

## PROJECTS

|  |                                   |
|--|-----------------------------------|
| <b>TrendRider</b>   <i>Trading Algorithm</i>   | <b>October 2025 – in progress</b> |
| <ul style="list-style-type: none"><li>Currently implementing a <b>crypto-currency trading algorithm</b> that uses a <b>trend-following</b> based strategy, using Python.</li><li>Incorporates <b>dynamic, liquidity-first universe selection</b> and <b>moving average crossovers</b> to identify valid pairs and execute trades that capitalises on and <b>rides with trends</b>.</li><li>Identifies and executes on opportunities across the <b>50 most-liquid pairs</b> of the selected exchange.</li></ul> |                                   |

|  |                              |
|--|------------------------------|
| <b>K-TOOL Engineering</b>   <i>Website</i>   | <b>July 2025 – Sep. 2025</b> |
| <ul style="list-style-type: none"><li>Freelanced a complete <b>corporate website</b> for a precision manufacturing company using <b>Next.js (TypeScript)</b>, attracting <b>international visitors across 3+ continents</b>.</li><li>Integrated <b>long-term, comprehensive SEO strategy</b> to <b>rank highly for typical, domain-specific terms</b> including structured data (JSON-LD), Open Graph metadata, sitemaps, robots.txt, and <b>Google Search Console optimisation</b>.</li><li>Implemented complete, easy-to-manage <b>email-based quote request system</b> using <b>Resend</b>, efficiently <b>converting visitors into real B2B clients</b>.</li><li>Optimised <b>UI/UX</b> through <b>responsive, component-based design</b> and <b>custom animations</b> using <b>Framer Motion</b> and <b>Tailwind CSS</b> with <b>React</b>.</li></ul> |                              |

|   |                             |
|---|-----------------------------|
| <b>rsvpy</b>   <i>App</i>   | <b>May 2025 – July 2025</b> |
| <ul style="list-style-type: none"><li>Built a <b>full-stack app</b> to solve a real difficulty behind <b>organising large-scale social events</b>, and collecting attendance confirmations and payments, using <b>Next.js (TypeScript)</b>.</li><li>Created thorough <b>email notification system</b> using <b>Resend</b>, efficiently alerting attendees of sudden event changes or requesting pending payments.</li><li>Maintaining accurate <b>event and respective attendee data</b> using <b>Prisma Postgres</b>, accommodating for large user base.</li></ul> |                             |

|  |                              |
|--|------------------------------|
| <b>mobVis</b>   <i>Source Code</i>   | <b>Sep. 2024 – May. 2025</b> |
| <ul style="list-style-type: none"><li>Built a <b>web-based visualisation interface</b> with generated plots for clinician gait analysis of multiple sclerosis patients, using <b>Next.js (TypeScript)</b> and <b>D3.js</b>, and <b>mobgap</b> with <b>FastAPI (Python)</b> for data-extraction.</li><li>Conducted <b>user-centred, iterative design methodology</b> through close <b>collaboration</b> with clinicians and healthcare researchers, who expressed interest to extend work further.</li><li>Awarded <b>80% final mark</b>, considered alongside <b>thorough documentation of the whole system</b>.</li></ul> |                              |

## SKILLS

**Languages:** TypeScript/JavaScript, Python, Java, Ruby, Kotlin, SQL, PHP, HTML/CSS, RegEx  
**Libraries/Frameworks:** Next.js, React, Tailwind, Symfony, FastAPI, JUnit, PHPUnit, React Testing Library, Jest, Mixpanel, Prisma, cctx, pandas  
**Developer Tools:** AWS, PostgreSQL, Amazon RDS, Supabase, Postman, Jira, Git