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| Andrew Hughes  Final year Computer Systems Engineering student, interested in creating applications for Kubernetes and event driven architecture. | **GitHub:** [**andrewhughes101**](https://github.com/andrewhughes101)  **LinkedIn:** [**andrewhughes101**](https://www.linkedin.com/in/andrewhughes101/)  **Email:** [**ahughes6@sheffield.ac.uk**](mailto:ahughes6@sheffield.ac.uk)  **Website:** [**https://andrewhughes.info**](https://andrewhughes.info) |
| EXPERIENCEIBM, Hursley — *Software Engineer placement*July 2019 - August 2020 Part of the Node.js Runtime Technologies team, a small agile team focused on contributing to the Node.js open source project and creating tools and resources on how to deploy Node.js applications to Kubernetes and Red Hat OpenShift. Contributions included being a member of the Node.js package maintenance team and designing and developing two CLI tools to find and test an npm’s dependent packages. Maintained the [CloudNativeJS](http://cloudnativejs.io) health checking modules, by creating bug fixes, fixing tests and creating releases. Created two tutorials for IBM Developer on how to add health checks to a Node.js application and how to make a MERN stack application cloud native. Helped create and test a workshop on deploying Node.js applications to Kubernetes for the Think 2020 conference. Whitstable Oyster Company, Whitstable — *Chef*February 2017 - April 2019 During weekends and half terms I worked in a small team of chefs in a fast paced environment. Through this job I learnt how to work effectively under pressure and enhanced my team working abilities by efficiently communicating with other members of the kitchen during busy and stressful periods. Deeson, Canterbury — *Work experience*February 2017 I spent a week on work experience, during which I created a doorbell using a Raspberry Pi with a display and camera. When the doorbell was pressed a Python script ran that used the Slack API to post a message and picture to the company’s Slack channel. This experience introduced me to APIs and gave me an idea of what to expect at a small software development office. PROJECTSEngineering You’re Hired— *January 2019* Week long interdisciplinary engineering group project in which I and 5 other students designed smart home products to be used to prevent and fight against household fires. Delivered daily presentations, created high level designs and a boardroom style pitch for our products. Mechatronics— *December 2018* Group project in which I and 3 students created a tabletop electromagnetic crane. I was responsible for the software development, which involved creating a Python user interface communicating with an arduino via bluetooth to control the cranes sensors and actuators. INTERESTS Achieved bronze and silver Duke of Edinburgh awards which refined my teamwork and leadership skills. In my free time I enjoy going on bike rides, cooking tasty food, and playing with Raspberry Pi’s. | PROGRAMMING LANGUAGESExperienced JavaScript/Node.js, Java, Python, Markdown Familiar Go, C, C++, HTML TECHNOLOGIES Git, Docker, Kubernetes, Helm, Red Hat OpenShift, Travis CI, GitHub Actions EDUCATIONThe University of Sheffield - BEng Computer Systems EngineeringSeptember 2017 - June 2021 1st year: 71% 2nd year: 64% Final year modules: Machine Learning  Computer Security and Forensics  Adaptive Intelligence  State-space Control Design  Intelligent Systems  Systems Design and Security  Finance and Law for Engineers  Digital Signal Processing Second Year modules: Computer Problem Solving and Object Oriented Design  Control Systems Design and Analysis  Mechatronics  Signals, Systems and Communications  Systems Engineering and Object Oriented Programming  Mathematics and Data Modelling Queen Elizabeth’s Grammar School, FavershamSeptember 2010 - July 2017 A level: Computer Science (B), Mathematics (B), ICT (B)  EPQ: Arcade machine (B)  GCSE: 12 grades at A-C |