

ALEX RATTIGAN

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Micro-electronics and car enthusiast with experience in multiple electronics-related projects and programming languages, and experience in electrical integration and testing. Currently an IT Graduate at Lotus Cars with time spent in Body Electronics Engineering, with a Bachelor of Engineering Degree in Computer Systems Engineering from the University of East Anglia.

EXPERIENCE

SEPTEMBER 2022 - NOW

IT GRADUATE, LOTUS CARS

<https://www.lotuscars.com/>

Working in a selection of departments including IT, EV software, and automotive body electrical engineering, integration, and testing. While with electrical, completed several projects including developing a software reflashing process saving the business over £30,000.

OCTOBER 2021 – MAY 2022

TEACHING ASSISTANT, UNIVERSITY OF EAST ANGLIA

<https://www.uea.ac.uk/>

Providing in-classroom support for university web development and networking students including answering questions, guiding problem solving, and supporting other teaching assistants where required.

SEPTEMBER 2015 – MAY 2019

LIVE AUDIO AND AV LEAD TECHNICIAN, THE MICK JAGGER CENTRE

<http://www.themickjaggercentre.com/>

Planned, set-up, and ran live sound and AV for a variety of types of events including concerts, plays, talent shows, awards ceremonies, and corporate events.
Organised communication and planning with event managers and other technicians to ensure all sound and AV needs were met.

SUMMER 2017

COMPUTER SUPPORT ENGINEER, NSM IT SERVICES

<https://www.nsm.it.biz/>

Provided first-level remote support over the phone and via web messaging to private and commercial end users.
Attended client sites to provide on-site support with hardware issues and perform new installations.

OTHER PERSONAL PROJECTS

<http://alexrattigan.co.uk/>

Completed multiple electronics projects including building, modifying, and calibrating a 3D printer, rebuilding and upgrading sports timing equipment for a local club, and small projects centred around Raspberry Pi and Arduino.

More details and other projects can be found at <http://alexrattigan.co.uk/projects/>.

EDUCATION

JULY 2022

COMPUTER SYSTEMS ENGINEERING B.ENG, UNIVERSITY OF EAST ANGLIA

Studied a range of hardware and software focused modules, becoming familiar with a range of programming languages including Java and C#, and physical circuit design, assembly, and testing. Graduated first-class in July 2022 with a final score of 83%, winning performance prizes from The Chartered Institute for IT and The Institute of Engineering and Technology.

MAY 2019

INTERNATIONAL BACCALAUREATE, DARTFORD GRAMMAR SCHOOL

38/45 points in the International Baccalaureate, including 7/7 in both higher-level computer science and physics, and a computer hardware related Extended Essay.

SKILLS

- Nine years' experience with Java
- Knowledge of C/C++, C#, F#, JavaScript, and MATLAB
- Experience with micro-electronics projects
- Experience with automotive networks such as CAN, and test/interface tools from Vector and Softing
- Project planning
- Team and individual work
- Use of GitHub/DevOps VCS
- Use of project management and issue tracking systems

PERSONAL ACTIVITIES

- Lead the student tech team at Dartford Grammar School, helping to run school events and teach younger students how to operate the live sound and AV equipment.
- Built and repaired 3D printers, including complete electronics replacements and upgrades.
- Designing a video switching system for a classic Nintendo collection and display.
- Avid skier, competing nationally in slalom racing for both The University of East Anglia and Bromley Ski Race Club.