Boyan Yordanov

ADDRESS
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Career Profile

An assured, bilingual and technically oriented MSci Computer Science graduate (2:1) from Coventry University with valuable project based experience. Possessing valuable programming expertise (C++ and Python) alongside high level analytical, programming and testing abilities. Confidently managing technical projects as project lead, ensuring a structured and holistic approach to completion. Now looking to fully utilise professional skills through graduate opportunities as a Software Engineer.

Technical and Professional Skills

Programming	Python, C++, JavaScript, HTML, CSS, Bash, Haskell, Z
MS Office:	Excel, Word, PowerPoint, Access, Outlook, Teams
Operating Systems:	Linux, Unix, MacOS, Windows
Technical Project Management:	4 years of managing technical projects during educational experiences
Languages:	Able to professionally articulate in both English and Bulgarian

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Education

MSci Computer Science (2:1)   **Coventry University**   *Sep 2019 to Jun 2023*

Course accredited by the Chartered Institute for IT (BCS), developing key skills including working with projects, presentation skills and working to deadlines.

Relevant modules: *Object Oriented Programming* (73.5%), *Parallel & Distributed Programming* (87%), *Security* (70%), *Machine Learning* (71%), *Advanced Programming Paradigms* (71%), Programming and Algorithms (73%), Advanced Algorithms (69%)

Key Projects

2022 Dissertation Project   **"Distance Estimation For The Coventry University's**   *Awarded 73%*
Formula Student AI Car"

- **Research:** utilised industry-leading journals together with primary and secondary data to design and program a modular system to estimate distance to objects using computer vision techniques.

- **Implementation and Testing:** implemented in C++ using ROS, OpenCV and a custom DBSCAN implementation. Rigorous simulation and irl testing.
- **Project Management:** Agile with a Kanban board to track progress
- **Documentation:** Doxygen

2023 Thesis Project **"Path-Finding Using Waypoints"** *Awarded 73%*

- **Research:** guided by industry practices, together with primary data managed to create a new path-finding module for the university's Formula Student - AI vehicle.
- **Implementation and Testing:** implemented in C++ using ROS, PCL and a custom Rapidly-exploring Random Trees algorithm. Tested IRL and in simulations.
- **Project Management:** Agile with a Kanban board to track progress.
- **Documentation:** Doxygen.

Employment & Extracurriculars

Extracurricular Activity **FS-AI Programming Team Lead** *July 2022 - July 2023*

- Recruited exceptional individuals and introduced them to the existing software;
- Recognised key elements of the system and created different teams to tackle each of them;
- Organised sprints, daily stand-ups and retrospective meetings whilst keeping track of the individual's progress and adapted end goals accordingly;
- Optimised existing software by 30%, solved complex programming problems;
- Dealt with the documentation and the submissions for the competition;
- Implemented a couple of modules connected with Computer Vision, Path Planning and Mapping. Created numerous tutorials and how-to's for the autonomous vehicle.

FutureWorks **Student Proctor** *Dec 2021 - April 2023*

- Problem Solving - resolved numerous software and logical issues in student's code.
- Communication Skills - clearly and effortlessly conveyed complex paradigms.
- Subject Matter Expertise - showcased experience and deep understanding on different subjects.

FutureWorks **Student Ambassador** *Dec 2021 - April 2023*

- Public Speaking - held speeches in front of prospective students and their relatives.
- Programming Teaser Sessions - introduced prospects to programming languages.
- Telephone & Chat Queries - providing assistance to applicants and students.

Interests & Achievements

- Awarded "The Standout Award" & shortlisted for "Undergraduate of the Year".
- Attended numerous tech conferences and workshops (2022 - 2023).
- Participate in a couple of Capture The Flags events.
- Part of Coventry University's Ethical Hacking Society.
- Bouldering, mountaineering and longboarding - I love nature and exploring new places.

References Available on Request