Radek Warowny

MSc Advanced Computer Science Graduate

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Personal Profile

Skills

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- I have completed several IT-related courses that led me to achieve BSc in Applied Computing and MSc in Advanced Computer Science at Northumbria University.
- I have worked on projects that included:
    - Big Data and Cloud Computing,
    - Decision Support Systems,
    - Wireless Networks and Security,
    - Advanced Databases,
    - Machine Learning, and
    - Strategic Systems management.
- I have built applications that utilise Relational Databases and used database management systems (DBMS) such as Oracle, MySql, Access.
- I have had experience with processing multi-terabyte sized big datasets using cloud service providers such as Hadoop.
- I am proficient in both Windows and Linux operating systems.
- I have used single-board computer (Raspberry Pi) to develop a prototype of a novel connected home automation platform in the form factor of a Smart-Mirror system that implements Artificial Intelligence (AI), Ubiquitous Computing (UC), Internet of Things (IoT) principles and features Voice and Face recognition capability.
- Furthermore, I believe that my higher education, extensive knowledge of the data analysis process, being proficient with database querying languages like SQL and the "go-to language" used by analysts - Python, makes me a good candidate for this position.

Front-end technology:

- HTML, CSS, JavaScript

Development Languages and Platforms

- Java, Python, PHP, Ruby, Node.js, Flask

Database and cache:

- MySQL, Apache

Version Control System

- Git

LAMP Stack

- Exposure

C#, Prolog, Laravel and Angular, SCRUM, Agile, Inkscape, Gimp

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Experience

Northumbria University / Thesis
June 2020 - October 2020, Newcastle

During my master's thesis project I have decided to design and develop a prototype of a smart mirror system that uses Machine Learning technology and IoT principles to work as a connected home automation platform that could effectively compete with available commercial products.

Gateshead College / Graphic Design
January 2018, Gateshead

I have been working on a graphics design project The Land of Oak & Iron - North East Landscape Partnership, where I was requested to create marketing materials in the form of a digital leaflet.

Gateshead College / Web Development
May 2017, Gateshead

As part of the HND course, I have been working with a real-life client on designing and developing an online web presence for a local start-up company. This included planning and creating a design and layout of a fully functional website that would later be used for a commercial purpose.

Gateshead College / Web Design
May 2017, Gateshead

The Second HND project involving a real-life client included designing and developing a website and subsequent marketing materials for a florist business in Hawthorn, Durham, UK.

Gateshead College / Graphic Design
March 2016, Gateshead

I have had the privilege to be short-listed to take part in a graphics design project involving a local music management agency. The projected aim was to design creative media documents that would later be used for the artist's marketing strategy.

Education

Northumbria University / MSc Advanced Computer Science

2019 - 2020, Newcastle

Designed to meet the needs of the industry, this course led me to develop an in-depth understanding of areas such as application design, computer network security, system development, big data, and cloud computing. Moreover, the course also covered topics such as computational intelligence, object-oriented design, artificial intelligence and wireless computer network technology.

Northumbria University / BSc (Hons) Applied Computing

2018 - 2019, Newcastle

I have chosen this course as I felt it is an established route for those interested in taking their enthusiasm for computing to degree level and beyond. The main course modules included relational databases, web development, computer networks and control systems, system analysis, operating systems and distributed real-time systems.

Gateshead College / HND Computing and Systems Development

2016 - 2018, Gateshead

I have chosen this course as it is widely recognised by industry and higher education as the principal vocational qualification at Levels 4 and 5 with the possibility of progression to a degree at Level 6. Year 1 of the programme offered the chance to develop a broad knowledge and awareness of key aspects of the computing sector including software, database and web development, networking and security, and project management. Year 2 of the programme helped me develop a more comprehensive understanding of advanced programming, cloud computing, artificial intelligence, augmented reality and games development

Gateshead College / HNC Software Development

2015 - 2016, Gateshead

By making use of real-world projects using a SCRUM methodology and industry specialists the course was designed to teach highly prized skills and knowledge in a range of different computing subjects including but not limited to: Games Design and Development using Unity 3D Programming using C#, Python, Java and SQL Web Design with PHP Programming and AngularJS Database Development using SQL Robotics and Control Systems UX UI Design.

Awards

I have attended the BuildIt program under the patronage of Lord Puttnam, designed to learn the principles of hardware and software programming with the use of the Raspberry Pi platform. Later, I had the chance to apply that knowledge by teaching school children how to program and build simple robots.

References

Available on request.