# Simeon Kostadinov

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## Education and Qualifications

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**2015-present**       University of Birmingham

BSc Computer Science with Industrial year - expected outcome 1st

**Second year:**

Modules: Functional Programming, Databases, Professional Computing, Mathematical Techniques for Computer Science, Natural Language Processing, Computer Systems and Architecture, C/C++, Computer Security;
**Technologies:** C, C++, Assembly, Haskell, Java

**First year: 87%**

Modules: Software Workshop (Java), Elements of Functional Programming, Artificial Intelligence, Data Structures and Algorithms, Language and Logic, Robot Programming, Software Engineering;
**Technologies:** OCaml, Haskell, Java, UNIX operating system.

**2010-2015**       National High School of Mathematics and Science

Mathematics and Computer Science

Bulgarian Diploma of Completing Secondary Education - 5.93/6.00 (equivalent to AAB in A-levels and GPA 4.0) including 6.00 (equivalent to AAA in A-levels and GPA 4.0) in Mathematics and Computer Science.

## IT Related Experience

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**Work Experience**

**2016**       IT Innovation Centre (University of Birmingham)

Technical Internship Summer Programme

During my internship, I was responsible for building an educational virtual personal assistant (chatbot) which helps students in solving any technical issues (computers, mobile phones, etc.) The project can be found here https://goo.gl/gv6qLy

**Technologies:** IBM Watson Dialogs (IBM programming tool), NodeJS (Programming).

| 2014-2015 | Cranial Ink Pte Ltd |
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<u>Web developer</u>

My role required strong knowledge in customising web applications, collaborating with the team and dealing with customers' requirements.

Some of my work can be found here:
- http://www.abcshipping-bg.com/bg/
- http://vinopassione.bg/

**Skills:** HTML, CSS, Javascript, Python, Django, ReactJS and Redux (Programming languages), Git (Version Control System), Teamwork.

**Projects***

| 2017 (May) | "Ignis" |
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<u>Educational AI-driven software</u>

Virtual tutor powered by IBM Watson, intended to help users of all ages grow and develop their knowledge. The project won 1st place at the Emerging Technology Competition 2017.

**Technologies:** Machine learning, IBM Watson, NodeJS, MongoDB (Programming).

| 2017 (March) | "Pacman" |
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<u>Game</u>

I was part of a team of 6 with the aim to build an extended version of the famous game "Pacman". We pushed our limits and added many new features including multiplayer, Artificial Intelligent algorithms etc.

**Skills:** Java (Programming), Machine learning algorithms, Teamwork, Collaboration.

| 2016 (June) | Autonomous Warehouse |
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<u>Robot programming course team project</u>

I was part of a team of 10 where my task was to program a LEGO robot to find its location when it is randomly set on a 10x10m big area.

**Skills:** Java (Programming), Machine learning algorithms, Networking, Teamwork, Collaboration.

| 2015 (April) | "MySchoolLib" |
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<u>Web application</u>

An application which helps students in finding and requesting any book from our school library. The project won 7th place at the National Olympiad of Information Technology 2015.

**Technologies:** MEAN Stack - MongoDB (Database), NodeJS (Programming).

*All projects can be found here https://github.com/SimeonKostadinoff

## Awards and Achievements

During the last couple of years, I participated in more than 20 mathematics and computer science competitions where I improved my personal and technical skills. I won several awards including:

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| 2015 (May) | Sofia university national exam **- 1st place /** Out of all of Bulgaria |
| 2014 (Oct) | Sofia mathematics competition - **1st place** / Out of all in Bulgaria |
| 2014 (May) | Singapore and Asian Math Olympiads 2014 (SASMO) - **2nd place** / Out of all in the world |
| 2017 (May) | Emerging Technology Competition - **1st place /** Out of all in college |
| 2015 (July) | Best high school mathematician **- 1st place** / Out of all in high school |
| 2014 (August) | Scholarship "Akad. Lubomir Chakalov" - **1st place** / Out of all in high school |
| 2015 (April) | National Olympiad of Information Technology - **7th place** / Out of all of Bulgaria |
| 2014 (Nov) | National Olympiad of Mathematics - **Outstanding achievement** / Out of all in Bulgaria |
| 2013 | 32nd Winter Mathematics Competition - **4th place** / Out of all in Bulgaria |
| 2011 | Second Bulgarian Competition for young mathematicians - **3rd place** / Out of all in Bulgaria |

## Activities and Interests

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| Hackathons | Events where I code 1 full day, meet new people and have fun. (HackCambridge, TechCrunch Disrupt, Berkeley Hacks) |
| Mathematics teacher | Led the mathematics course to 8th grade students. |
| Online courses | Constantly enhancing my programming skills with online courses like: <br> - Stanford Machine Learning by Andrew Ng, |

- Stanford CS224n NLP with Deep Learning,

- Stanford CS231n Convolutional Neural Networks

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| Sports | Regularly going to the gym while keeping a healthy life. |
| Audiobooks | Listen to at least 1 book a week. |