

Simeon Kostadinov

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EXPERIENCE

Lead iOS Engineer

[Speechify Inc.](#) 2017 - 2018 San Francisco

Speechify is a text to speech software which empowers people to listen any text - documents, articles, books. It offers iOS, Mac and Android apps powered with state-of-the-art AI algorithms.

- My role evolved from being software engineer to leading the iOS team of 10 people.
- Advanced my knowledge in iOS development with Swift.
- Constantly applied creative thinking to drive decisions like future features, ways of understanding customers etc.

Writer

[Medium.com](#) 2018 - Ongoing San Francisco

I am an author of a blog focused on deep learning and technology. My articles are featured in some of the biggest Medium publications like Towards Data Science, Hacker Noon and freeCodeCamp.

- "Understanding GRU networks" has ~2k upvotes.
- "Understanding some of the key concepts in Javascript" has ~800 upvotes.
- Blog link - <https://medium.com/@simonoff>

Technical Internship Summer Program

[Innovation Center at University of Birmingham](#) 06/2016 - 07/2016
Birmingham, UK

The Innovation Center specializes in developing novel solutions to existing problems like handling students requests using AI, transforming laboratory experiments with virtual reality and more.

- Responsible for building a virtual assistant which helps students in solving any technical issues with computers, mobile phones, etc.
- Technologies: IBM Watson Assistant API, NodeJS and Python.
- Project link - <https://github.com/simonoff/chatbot-itic>

PROJECTS

Ignis - Educational AI-Driven Software

04/2017 University of Birmingham

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: IBM Watson TTS, STT and Assistant APIs, NodeJS.

Autonomous Warehouse

03/2016 University of Birmingham

The aim of the project was to build a simulation where 4 LEGO robots should move and accomplish tasks on a 10mx10m grid without any human intervention.

- I worked on making sure the 4 robots localize themselves when randomly positioned on the grid.
- Our team of 10 people received a score of 92/100.
- Technologies: Machine learning algorithms, Networking.

EDUCATION

Computer Science

[University of Birmingham](#)

2015 - Ongoing Birmingham, United Kingdom

- Software Workshop (Java).
- Functional Programming.
- Artificial Intelligence.
- Data Structures and Algorithms.
- Robot Programming.
- Computer Systems and Architecture.
- Databases.
- Technologies: OCaml, Haskell, Java, UNIX operating system, C, C++, Assembly.

Mathematics and Computer Science

[National High School of Mathematics and Science](#)

2010 - 2015 Sofia, Bulgaria GPA 4.0 / 4.0

- Participated in 30+ mathematics competitions.
- Recognized as one of the best mathematicians in the school.
- Courses: Algebra, Number Theory, Combinatory, Geometry, Informatics, Algorithms, Biology, Physics, History etc.
- Volunteered as a teacher in advanced mathematics.

AWARDS

- ★ Emerging Technology Competition - 1st place (2017)
- ★ Singapore and Asian Math Olympiads 2014 (SASMO) - 2nd place (2015)
- ★ Best High School Mathematician (2015)
- ★ National Olympiad of Information Technology - 7th place (2015)
- ★ Scholarship "Akad. Lubomir Chakalov" (2015)
- ★ Second Bulgarian Competition for Young Mathematicians (2015)
- ★ National Olympiad of Mathematics - Outstanding achievement (2014)
- ★ 32nd Winter Mathematics Competition (2014)