



Timur Kuzhagaliyev

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Education

- 2015 - 2019 **University College London**
Computer Science London, UK
MEng, average: 85%
- 2017 - 2018 **California Institute of Technology**
Computer Science Pasadena, CA, USA
Exchange program, GPA: 3.8
- 2013 - 2015 **Mander Portman Woodward**
A Levels London, UK
Highest average in college

Awards & achievements

- [Invited speaker](#) at 2018 SPIE Medical Imaging conference
- Featured on MS HoloLens homepage with [PEACH Reality](#)
- Microsoft Imagine Cup 2017 UK [finalist](#)
- BCS/Microsoft App Award for Excellence in 2016
- MPW [Outstanding Achievement Prize](#) 2014/2015

Skills

- Fluent in Russian, English, JavaScript (ES6, Node), C#, C, SQL, Java, PHP, Git
- Worked with Linux (primary OS), My/PostgreSQL, Python, Bash, Matlab, C++, Travis, Azure, AWS, Heroku
- Web design: worked with React, Angular, Vue, Sass, Less, WebGL, LAMP and MEAN stacks, UI/UX design

Experience

Amazon Lab126 Summer 2018

- **SDE Intern**; Worked on a variety of computer vision projects, helped improve production algorithms and CI pipelines
- Used C++ with OpenCV and PCL libraries

UCL Surgical Robot Vision Group Summer 2017

- **Research intern**; Built a holographic needle guidance tool for surgeons, removing the need for external displays
- C# + Unity for HoloLens, Python + OpenCV for backend

Microsoft & UCL Institute of Child Health Jun 2017 - Present

- **Technical lead**; Supervised a team of 5 building a distributed cystic fibrosis monitoring and treatment system
- Developed the backend & frontend for analysis of trial data
- Used JavaScript (React, Node.js), Azure, PostgreSQL

World Medical Education Summer 2017

- **Android developer**; Built an app for offline distribution of medical learning resources in developing countries
- Java (Android), Twilio + Node.js backend, XML + XSD data

UCLH PEACH Reality Dec 2016 - Apr 2017

- **HoloLens developer**; Supervised a team of 3, building an anatomical model annotation tool to help plan surgeries
- Used C# + Unity for HoloLens, Java + Azure for backend
- Presented the project to corporate VP of Microsoft

ATM Energy UK Limited Apr 2016 - Apr 2017

- **Full stack developer**; Supervised a variety of web design project, conducted coding interviews for potential hires
- Used PHP, JavaScript, MySQL in a LAMP stack

+ 4 startups, volunteering, open-source projects