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, improved 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 & Institute of Child Health   Jun 2017 - Present

▸ **Technical lead;** Supervised a team of 5 building a cystic fibrosis monitoring and treatment system
▸ Personally developed the backend & frontend for analysis of trial data, worked with data science specialists
▸ 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