

# Aleksei Sukhov

Graduate Software Engineer

London, United Kingdom

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## Skills

**Technical Skills:** Python | JavaScript | Dart | Golang | React.js | Redux.js | Node.js | Express.js | Flutter | MySQL | MongoDB | Git |  
**Misc:** Ubuntu | Golang Echo | JWT | AES256 | Falsk | Celery | Redis | Azure | Linode | MSSQL | SQLAlchemy | Mongoose | HTML | CSS |

## Education

### UCL - University College London

London, United Kingdom

MSc COMPUTER SCIENCE

Sep 2020 - Sep 2021

- Grade: **Distinction - Overall 75%**
- App Engineering (82%) - Web development project developed using MERN stack, team lead of a group of three
- Dissertation (70%) - NudgeShare: Cross-platform Mobile App written in Flutter for NHS
- Algorithmics (80%) - Algorithmics and Data Structures module in Python

### KCL - Kings College University

London, United Kingdom

K20 ACCELERATOR

Sep 2019 - May 2020

### UoN - University of Nottingham

Nottingham, United Kingdom

BEng CHEMICAL ENGINEERING

2016 - 2019

- Grade: **First Class (Honours) - Overall 73%**
- Final year project (84%) - Designed Hydrogen production plant using Steam Methane Reforming, refer to [Experience: Team Lead](#)

## Projects

### Web App: Eastman Periodontal Diagnosis Tool (EDIT)

MERN STACK - | MONGODB | EXPRESS.JS | REACT.JS | NODE.JS | + | REDUX.JS |

Jan 2021 - Apr 2021

- **Developed full backend architecture** utilising Node.js & Express.js to build private RESTful APIs with **JWT** based authentication.
- Utilised **functional programming to build Redux.js reducers** with pure functions, actions and store to maintain global state.
- Streamlined development of frontend by implementing **Material UI components**, thus standardising the appearance of Web App.

## Experience

### NHS

London, United Kingdom

SOFTWARE ENGINEER INTERN

May 2021 - Sep 2021

- IOS & Android Mobile App: NudgeShare - | Flutter | Dart | Go | Go Echo (Web Framework) | MySQL | Ubuntu | Flutter test | Mockito |
- Refactored & increased functionality of cross-platform Mobile App to include **graphing visualisation** of user's health metrics.
  - **Encrypted audio files** stored on the server using **AES256 Encryption standard** satisfying NHS's patients' data security guidance.
  - **Automated unit and integration tests** using **Flutter\_test** and **Mokito** to deliver production-ready App for both IOS & Android.
  - **Received an offer to join NHS** to continue the development of NudgeShare after the **management was fond of the MVP** and **allocated funding for finalising and maintaining** a production-ready Mobile App.

### Domini - Home Furniture & Decor

London, United Kingdom

HEAD OF E-COMMERCE

Jun 2020 - Feb 2021

- Joined the team of an existing 20 year old home furniture and decor business to facilitate e-commerce traction
- **Hired and managed** a team comprised of a Marketing Manager and a Photographer to improve digital footprint and online sales.
  - Automated order fulfilment and client order notification by implementing a CRM and connecting it to all major logistics companies.
  - Sped up order fulfillment by 53% by developing documented process pipelines and knowledge testing for all personnel involved.
  - Increased the Instagram follower count from 5.8K to 11.3K through A/B testing of content delivery strategies.
  - **Grew MRR to £47,000** (39% of whole business) with profitability margins of 42% through process automation and lean scaling.

### PitchMe

London, United Kingdom

BUSINESS DEVELOPMENT - B2B & B2C

Sept 2019 - May 2020

- Skills-based talent marketplace combining skills profiling, online education and employment
- Built a **Python algorithm (Selenium+BeautifulSoup)** to mine data about B2B clients to personalise offers to C-Level executives.
  - Independently researched and **connected Snov.io API** to **automate email lead generation** and feed the B2B sales funnel.
  - **Automated sales funnel** and **A/B testing via SendGrid API** to **grow outbound email conversion by 2X**.
  - **Quadrupled Registered User Count** on the platform to 60K and **doubled Monthly Active Users (MAU)** count to 3K.

## Leadership

### University of Nottingham

Nottingham, United Kingdom

TEAM LEAD

Sep 2018 - Jun 2019

- **Managed a team of 6 peers** by utilising agile project development principles to receive an **award for the Design Project judged to achieve the highest standard in the Process Safety** amongst 40 groups during 18/19 academic year.

## Russian Speaking Society - University of Nottingham

Nottingham, United Kingdom

### VICE PRESIDENT

Oct 2017 - Jun 2018

- Organised 12 social events for the society and was responsible for planning out Russian as a Second Language weekly classes.

## Chemical Engineering Department - University of Nottingham

Nottingham, United Kingdom

### SENIOR STUDENT AMBASSADOR

Oct 2016 - Mar 2019

- Engaged with and educated prospective applicants and their families about the university during engineering faculty Open Days.
- Aided with training of new and existing student ambassadors** and undertook supervisory role during university events.
- Represented Chem Eng department at on & off campus promotional events** to endorse six-form students to join the faculty.

## English Camps Vladivostok

Vladivostok, Russia

### COUNSELOR

Jun 2016 - Aug 2016

- Received "Best Team Counselor" award of that term for managing a team of 30 teenagers for the duration of four weeks voted by both children and other counselors.

## Additional Qualifications

### Udemy

Online

MERN STACK FRONT TO BACK: FULL STACK REACT.JS, REDUX.JS & NODE.JS

2021

**Skills Gained:** JavaScript, React.js, Node.js, Redux.js, Express.js, Styled Components.

### Udacity

Online

PROGRAMMING FOR DATA SCIENCE WITH PYTHON

2020

**Skills Gained:** SQL (JOINS, Aggregations, Subqueries), Python (NumPy, Pandas, Matplotlib), Git, Command-Line, Tableau.

### Coursera

Online

FULL-STACK WEB DEVELOPMENT WITH REACT SPECIALIZATION

2020

**Skills Gained:** JavaScript, React.js, Node.js, Redux.js, jQuery.js, MongoDB.js, Express.js, Bootstrap.

## References

### Dr Yun Fu

UCL

UNIVERSITY PROFESSOR / LECTURER

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### Svetlana Yalanskaya

Domini Home Furniture & Decor

COO OF DOMINI

Vladivostok, Russia

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### Dr Dina Bayasanova

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### Dr Daniel Beneroso Vallejo

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