

# Ivan Nikitin

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## Summary

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Third year student at the University of Glasgow studying for a BSc (Hons) in Computer Science. Particularly interested in mobile development, devops and cloud computing.

## Education

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### University of Glasgow

BSc (HONS) IN COMPUTER SCIENCE

*Expected graduation: July 2022*

GPA from first two years: 20/22. Courses include Algorithms and Data Structures, Text as Data, Database systems and Robotics.

## Experience

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### University of Glasgow

GENERAL TEACHING ASSISTANT

*September 2020 - present*

- Taught students in their university labs, during which they completed assigned coursework and asked questions about course topics.
- Demonstrated CS1F - Computer Science Fundamentals. This includes SQL, general database theory and an HCI component.

### Autodesk

SOFTWARE ENGINEER INTERN

*Jun 2020 - September 2020*

- Conceptualized and spearheaded extended support for FFF machines in Fusion 360, specializing in machine connectivity.
- Developed an extension that allows users to connect to their 3D printer from within Fusion and send their gcode directly to the printer.
- Demoted to principal engineers in the field and technical consultants working with FFF at Autodesk, receiving overwhelmingly positive feedback.
- Created the extension using Python and C++ with a front-end in Javascript.

## Recent Projects

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### Whub REST API (<https://github.com/WaifuHub/API>)

PERSONAL

- Implemented a REST API in Kotlin using Ktor, Koin for dependency injection, the AWS SDK and other technologies.
- Created CI/CD pipelines to automatically run tests, produce coverage reports and push a Docker image to Dockerhub.
- Developed using the AWS CDK for defining cloud infrastructure using IaC and provisioning it through AWS CloudFormation.

### Quick Message (<https://github.com/Apolexian/Quick-Message>)

PERSONAL

- Developed a messaging app using Kotlin, Firebase authentication and Cloud Store SDK.
- Used many popular libraries for android such as Picasso for image caching and Groupie for building recycler views.

## Extracurricular

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### AWS Certified Cloud Practitioner

CERTIFICATE - SEE CREDENTIAL

*Obtained on Sep 2020*

- Obtained the AWS Cloud Practitioner certification to expand my knowledge of the cloud.

### Glasgow University Tech Society

VICE PRESIDENT (TILL MARCH 2020) AND ADVISORY TO THE BOARD

*Nov 2019 - Present*

- Led organisation of events attended by hundreds of students such as the "Do you have the GUTS" hackathon and CDX.
- Headed the Glasgow University Developer's Group Hub for the "Google Hash Code" competition attended by over 50 people.

### Glasgow University Competitive Programming Society

MEMBER

*September 2018 - Present*

- Participated in ICPC 2018 preliminary rounds.
- Regularly attended society organised university programming competitions and workshops.

## Skills

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**Technical Languages** • Java • Kotlin • C++ • Go • Python • AWS • Bash • Git • SQL and NoSQL databases  
• English - fluent • Russian - fluent • French - Limited working proficiency.