

# Albert Viilik

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## Education

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**University of Manchester**, MANCHESTER, UK September 2018–June 2022(Expected)

- BSc (Hons) Computer Science with Business Management with Industrial Experience
- Coursework includes: **Algorithms and Data Structures, Operating Systems, Databases, Software Engineering, AI, Machine Learning, Parallel and Distributed Systems.**

## Experience

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**Student Software Company**, SOFTWARE DEVELOPER June 2019–August 2019

- Successfully finished 2 real projects with 3 other students in an **Agile Development** environment.
- Built a **React**-based Single Page Application in **HTML, CSS, PHP, TypeScript, and JavaScript.**
- Developed a cross-platform mobile application in **Dart** using **Google's Flutter** toolkit and **Firestore.**
- Managed version control for projects on **GitHub** and **GitLab.**
- Founded the Student Software Company of The University of Manchester with the help of the School of Computer Science.

**UoM IT Services**, HORNET REPRESENTATIVE September 2018–Current

- Performed inspection and troubleshooting of network hardware and software to resolve connection related issues on the university network.
- Assisted users through a ticket management system and on-site.
- Installed and configured hardware and software across campus to assist with the establishment of new computer clusters and network access points.

## Projects

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**FEEL**, FIRST-YEAR TEAM PROJECT September 2018–April 2019

- Designed a modern web application in a group of students as a first-year project that provides insight into public sentiment towards various current topics by performing sentiment analysis on the latest tweets.
- Created a modern user interface using **Bootstrap, JavaScript, CSS, and HTML.**
- Developed and trained a **Naive Bayes** classifier in **Python** to perform sentiment analysis on tweets pulled using the **Twitter API.**
- Implemented the back-end using **PHP** and a **MySQL** database to store the trained classifier model, provide user authentication, and cache some of the recent results.

**Foodref** September 2020–Current

- Codeveloped a cross-platform mobile app as a startup using **Flutter, Dart, and Google Cloud Services** to assist indecisive people with dining choice decisions by suggesting options to them using a quick test and a smart ranking algorithm. *(Soon Available on App and Google Play Stores)*

## Leadership and Awards

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**Local Hack Day Manchester**, 1<sup>ST</sup> PLACE 2018

- Developed an Android application in Java that recognizes prices and currencies from price tags using Google Vision AI and converts them into a preferred currency of its user.

**Manchester Gold Mentoring Scheme** 2018

- Secured a place on this competitive scheme and matched with a mentor working as a Solution Architect / Digitalization and Innovation Consultant.

## Technical Skills

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- *Java, Python, TypeScript, Ruby, C, Dart, HTML, CSS, SQL, Git, React, Agile Development, Unix/Linux, PHP, Docker, Swift, C++, Redux, ML, Flutter, Travis CI*