

# Hacker Tool Box

Don't know where to start? Our tech & logistics team has taken some time to provide you with a (non-exhaustive) list of resources to check out! Have a browse and if you're still stuck, pop a question into any of the #help- channels! For a very extensive selection, you can check out [free-for.dev](https://free-for.dev).

## IDEs

- [VS Code](#) - Free (Windows, Mac, Linux)
  - [Live Share](#) is good for remote pair programming
- [JetBrains](#) IDEs - Free with [Github Student Developer Pack](#) - (Windows, Mac, Linux)

## APIs

- [Twilio](#) - Text Messages - \$50 credit w/ [Github Student Developer Pack](#)
- [SendGrid](#) - Emails - 100/day for free

## Testing APIs

- [Hoppscotch](#) - Make HTTP requests from your browser
- [Postman](#) - API testing desktop application

## Hosting

Full Cloud Solutions

- [AWS](#) - Free tier

Other

- [Netlify](#) and [Vercel](#) - static sites, or with serverless functions - Free
- [Heroku](#) - Sites with backends - Free, more powerful version through [Github Student Developer Pack](#)
- [Cloudflare Workers](#) - serverless functions - Free

## Databases

These are all provided in the full cloud solutions listed above, but there are also specific database solutions available E.g. [DynamoDB](#) – noSQL database available through AWS

- [mongoDB](#) - noSQL database - Free tier, plus credits in [Github Student Developer Pack](#)
- [Fauna](#) - noSQL database - Free tier

## Authentication

- [Auth0](#) – Free (7000 users)
- [Firebase](#) – Free
- [Magic](#) – Free (100 users)

## Datasets

- [Kaggle](#)
- [UK COVID-19 datasets](#)

## Python Libraries

- [TensorFlow](#) - Machine Learning
- [PyTorch](#) - Machine Learning
- [NumPy](#) - Powerful mathematical operations
- [Pandas](#) - Data Analysis

## JavaScript Libraries

- [D3.js](#) - Data Visualisation
- [Chart.js](#) - Charts
- [Popper.js](#) - Add popovers and tooltips

## Front-End Development

### Libraries & Frameworks

- [React](#)
  - [Next.js](#)
  - [Gatsby](#)
- [Vue.js](#)
  - [Nuxt](#)
  - [Gridsome](#)
- [Svelte](#)
  - [Sapper](#)

## User Interface

- [Bootstrap](#)- UI Components
- [Material-UI](#) - UI components following Google's material design