

# Benjamin Rogers

SOFTWARE DEVELOPER

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## About Me

I am currently completing a bachelor's degree in information technology at QUT, with a major in computer science. I am an innovative, hard-working software developer and problem solver that enjoys building high-quality web applications. I am very passionate about all aspects of software development and like learning new things. Right now I am looking for a position as a front end, or full stack developer.

## Skills

<b>Front-end</b>	React.js, HTML5, CSS, SCSS, Bootstrap
<b>Back-end</b>	Node.js, Express, Flask, REST APIs, JWT, SQL, MySQL, SQLite, Swagger API Documentation
<b>Languages</b>	JavaScript, Python, C#, Java
<b>Practices</b>	Test Driven Development, Agile, OOP, Software Design Patterns, Web Design

## Education

### Queensland Univeristy of Technology (QUT)

GPA: 6.062/7

Bachelor's Degree in Information Technology

Mar. 2018 - June. 2022

- Major in Computer Science
- Minor in Networks and Security
- Minor in Mobile Applications

## Experience

### Retail Safari

Brisbane

Microsoft Product Advisor

Dec. 2018 - June. 2021

- Contracted by Microsoft to represent them in retail stores.
- Demonstrating Microsoft products to customers - Windows, Surface, Office and Xbox.
- Troubleshooting Windows and Microsoft Office related software issues.
- Training JB Hi-Fi and Harvey Norman staff on products and the key selling points for each.
- Tracking customer preferences through daily data collection and reporting.

## Programming Projects

### Organisational Asset Trading

Grade: 49/50

<https://www.youtube.com/watch?v=mD1ebHTcdvA>

- Worked on a team of four students to develop a client-server system in Java for trading of virtual assets with departments of a company.
- Facilitated trades via a marketplace model where users can buy and sell assets.
- Users can login and view sell history, their listings, a summary, all listings, an assets list, their account information, their credits and they can also change their password.
- Admin users can create assets, modify assets, modify credits and add new users to the system.
- Used MariaDB for the database and Swing for the GUI.
- Tested extensively with JUnit.
- Implemented sockets and threads for the server.
- Used build scripts to run unit tests when deployed.
- Developed and followed 2 week sprint plans for project.
- Created detailed design document which covered requirements, database design, class diagram, network protocol design and GUI wireframes.

### Country Happiness Application Frontend

Grade: 97/100

<https://trusting-babbage-96d918.netlify.app/>

- Used React.js and Bootstrap to develop a site that interacts a REST API that I made which holds happiness data collected from the World Happiness Report initiative.
- Users can register, login and view happiness data by country.
- Users can also filter data by year, country and search limit using react-select dropdowns.
- AG Grid and Chart.js were used to present the data.
- Utilised React context API.

## Country Happiness Application Backend

Grade: 96/100

<https://salty-refuge-23420.herokuapp.com>

- Developed and deployed an Express API to support the front-end of the country happiness web application I wrote.
- Built with Node.js, Express and MySQL.
- Routes support query parameters and authorization using JWT.
- Security features such as use of Knex, Helmet, Morgan and bcrypt.js.
- Created comprehensive Swagger documentation.
- Tested extensively with Jest.

## Computer Auction Website

Grade: 49/50

<https://iab207-assessment-3.herokuapp.com>

- Used Python, Flask, SQLite and Bootstrap to develop a computer auction site.
- Users can register, login, create new listings, bid on listings, search by keyword, manage listings, post reviews and keep a watch list.
- Used Flask WTFForms, Flask SQLAlchemy and Flask Login.

## References

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### Tai Reedy (0449557285)

Microsoft Master Trainer / Content Creator for Retail Safari (contracted by Microsoft)

- Tai was my area manager for over a year and supervised my work.

### Mandeep Saini (0449544118)

Microsoft Market Manager for Retail Safari (contracted by Microsoft)

- Worked alongside Manny as well as a Microsoft Product Advisor for over 2 years.
- Manny was my manger up until I left the role.