

Karel Hartlieb

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TECHNICAL SKILLS

Strong: JavaScript, jQuery, AJAX, Node.js/Express, HTML, Bootstrap, Git, MongoDB, Mongoose, React
Experienced: MySQL, Sequelize, CSS, Firebase, Handlebars.js

PROJECTS

Best B4, Full Stack Developer

- A web application that allows the user to search the edamam API for recipes using ingredients they have at home. Also allows for users to find places to donate food in order to prevent food going to waste.
- Developed using HTML, CSS, jQuery and Firebase.
- <https://github.com/antipodd/Recipe-Group-Project> | <https://murmuring-brushlands-68254.herokuapp.com/>

TutorKarma, Back End Developer

- A web application that allows a user to create a booking with a tutor
- Developed using HTML, CSS, jQuery, MySQL, Sequelize, Handlebars, Node, Express
- <https://github.com/antipodd/tutorKarma>

ContentClub, Back End Developer

- A web app that allows a user to create a topic of interest that can be discussed actively
- Developed using HTML, CSS/SASS, React, Javascript, Passport, MongoDB/Mongoose, Node, Express
- <https://github.com/antipodd/ContentClub> | <http://contentclub.herokuapp.com/>

PROFESSIONAL EXPERIENCE

Northwestern University Postdoctoral Fellow

Evanston, IL **2010 – Present**

- Adviser: Professor Sir Fraser Stoddart (2016 Nobel Laureate in Chemistry).
- Developed research projects, recorded and interpreted data and applied statistical analysis to data.
- Published 28 peer-reviewed manuscripts, some of which are highlighted by various news organizations, and submitted 3 patent applications.

The University of Western Australia Research Assistant

Perth, Western Australia **2010**

- Synthesized water-soluble macrocyclic compounds in order to encapsulate anticancer drugs

EDUCATION

Full-Stack Web Developer Coding Bootcamp Northwestern University

2017

PhD Chemistry The University of Western Australia

2006 – 2011

- Awarded Fulbright Scholarship in Science and Engineering, published 8 peer-reviewed manuscripts

Bachelor of Engineering with First Class Honours (Materials) / Bachelor of Science with First Class Honours (Chemistry)

The University of Western Australia

2005

- Relevant courses: Introduction to Java Programming; Multiple academic award recipient

PERSONAL

In my spare time I enjoy keeping up with motorsports (Formula One and Indycar), playing video games (especially Fallout), hacking my way around a golf course, hiking and brewing/drinking craft beers.