

# Karel Hartlieb

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## TECHNICAL SKILLS

Strong: JavaScript, jQuery, AJAX, Node.js/Express, HTML, Bootstrap, Git, MySQL

Experienced: 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> |

## 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 27 peer-reviewed manuscripts, some of which are highlighted by various news organizations, and submitted 3 patent applications.
- Provided mentorship for undergraduate and graduate research students

### **The University of Western Australia Research Assistant**

Perth, Western Australia **2010**

- Synthesized water-soluble macrocyclic compounds in order to encapsulate and solubilize the poorly water-soluble anti-cancer drug paclitaxel.

## 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)**

*The University of Western Australia*

**2005**

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

### **Bachelor of Science with First Class Honours (Chemistry)**

*The University of Western Australia*

**2003**

- Multiple academic award recipient

## PERSONAL

Gamer; particularly playing Fallout and Skyrim builds, also some JRPGs such as Bravely Default. I also enjoy hiking, golf, tennis, playing the clarinet and brewing/drinking craft beers.