

# ALISTAIR WILLIS

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PORTFOLIO: <https://alistair-willis.herokuapp.com>

GITHUB: <https://github.com/ARWL2016>

I'm an aspiring web developer with a previous career in education, seeking a first role as a front end or full stack engineer. As a self-taught developer, I've built and deployed a portfolio of web applications to demonstrate my skills in the fundamental technologies of modern web development, including HTML, CSS, JavaScript, Angular, Node and Git. I strive to write clean, modular code which is well-documented, easy to maintain and follows best practices. I am looking for a role in a challenging but supportive environment where I can use my skills and make an immediate contribution to a development team.

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## CORE SKILLS

- **LANGUAGES:** HTML, CSS, JavaScript (ES6)
- **CSS TOOLS:** Sass, Bootstrap
- **FRONT END FRAMEWORKS:** AngularJS, Angular (using Typescript)
- **SERVER SIDE:** Node, Express
- **DATA LAYER:** MongoDB, Mongoose
- **TOOLS:** NPM, Git, GitHub
- **STYLES:** responsive design, REST

For more details, please view my portfolio site and GitHub page (addresses above).

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## PERSONAL PROJECTS

**Pathfinder** | <https://pathfinder-2017.herokuapp.com/>

AngularJS, Node, Express, MongoDB, Mongoose, Passport, Google Places API

A web application which allows users to search for information on restaurants, shops, hospitals and other locations using four Google APIs. Users can save a location, and manage search results using a diary widget.

- Implemented social login using Google, Twitter and GitHub OAuth
- Used cloud data provider MLab in development and production
- Created fully responsive design in native CSS
- Exploited client-side caching of search results for improved user experience

**Book Exchange** | <https://arwl-book-exchange.herokuapp.com/browse>

Angular 4.0, Typescript, Materialize, Node, Express, MongoDB, Mongoose

A book trading application that allows users to search data from the Google Books API and browse other users' books. Authenticated users can also create and manage a book collection and make requests to other users.

- Implemented user interface with progress bar, notifications, and background username check during registration for enhanced user experience
- Used bcrypt password encryption and JSON Web Tokens for secure authentication
- tested RESTful API with Mocha and Expect, and used Supertest for HTTP request mocking

**Votogo** | <https://votogo.herokuapp.com/home>

Angular 4.0, Typescript, Bootstrap, Node, Express, MongoDB, Mongoose

A voting application that allows authenticated users to create, share and view the results of surveys. Topics can be searched by title, and voting results can be viewed in both table and chart format.

- User interface implemented using Bootstrap and Angular animations
- Created a CRUD application with RESTful architecture on server side
- Integrated third party charting library with Angular to visualize data

For details about all my projects, see my portfolio site: <https://alistair-willis.herokuapp.com>

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## PREVIOUS WORK EXPERIENCE

### English Language Teacher

Daesin Elementary School, Busan, South Korea (Aug 2014 - Feb 2018)

- Efficiently managed a teaching schedule of over 400 students
- Created imaginative and comprehensive schemes of learning at six different year levels
- Worked effectively with multiple co-teachers to achieve learning goals

### English Teacher and Form Tutor

Dominican International School, Taipei, Taiwan (Aug 2010 - June 2013)

- Taught effective advanced composition, expository writing, and general English classes to High School and Middle School pupils
- Wrote, administered and invigilated internal school exams each quarter
- Maintained meticulous student records, created quarterly reports and met with parents to discuss student progress
- Acted as Year 6 Forum Tutor and organised class social activities
- Successfully co-ordinated the school newspaper and the Public Relations Committee; initiated and coached the Debating Club
- Prepared and accompanied a delegation of high school students for a Global Initiatives Network conference in Manila

## **English Language Teacher**

Shane English School, Taipei, Taiwan (Sep 2005 - Dec 2006 / Aug 2008 - Aug 2010)

- Efficiently managed a 28 hour weekly teaching schedule
  - Gave demonstration lessons to promote the school
  - Organised regular assessments and discussed student progress with parents
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## **QUALIFICATIONS**

### **PGCE Secondary English (with distinction)**

Mid Somerset Consortium of Teacher Training (Sept 2013 – June 2014)

### **MA International Studies (with distinction)**

Birmingham University (Oct 2007 – June 2008)

### **BA English Language and Literature (first class honours)**

University of Leeds (1996)

### **A-Levels: Maths (Grade A), Physics (A), English (A)**

Churchill Comprehensive School (1993)