AUDREY ZHANG

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PROFESSIONAL PROFILE

· Strong problem-solver that can navigate unexpected challenges that arise with finesse; mindful of all constituents that are or may be affected, and develop viable, deliverable solutions quickly.

· Embody exceptionally high-quality standards when creating software that makes a significant impact on the business.

· Thrive in high-speed start-up environment by effectively with additional pressures, and meeting or exceeding all time constraints and delivering product with 98% or higher accuracy.

· Superior communication skills through collaboration with various teams and stakeholders, including the sharing of information, creative team idea development and the creation of solution-oriented processes that produce outstanding results.

· Partner closely with all constituents and team members to produce quality, cutting edge results

· Skillful writer of quality, maintainable code with extensive test coverage in a fast-paced professional environment.

· Excellent authoring of technical documentation that can be easily explained, taught, and understood by others.

· **Python, C#, Java, C, C++, MATLAB, PHP**

· Commercial experience with Microsoft development stack – **.NET Framework, C#, Entity Framework, .NET Core, MS SQL**

· Working experience in modern JavaScript framework and libraries – **EMCAScript 6, Node.js, jQuery, React, Angular, React Native(mobile development)**

· Working experience in **JavaScript, HTML, CSS**

· Working experience with developing and documenting **RESTful APIs** and Web Service integrations on a REST basis

· Working experience with implementing web services using web frameworks **Flask**

· Working experience with SQL databases and modeling – **MS SQL Server**

· Working experience with **NoSQL** databases and modeling – Neo4J

· Working experience in **Docker**.

· Working experience with **Data visualization** and design

· Working experience in developing with version control system – **Git**

· **Github, Asana**

· Experience in working within an **Agile & Scrum** environment

· Experience with **UNIX/LINUX** environment

· Experience with an Open Source CMS – **Drupal**

· **Bachelor's degree** in Computer Science

EDUCATION

University of Auckland, Auckland, New Zealand   July 2016 – Sep. 2018

· Bachelor of Science in Computer Science

· GPA in computer science(15 courses): 6.8/9.0 (average A- grade)

· Overall GPA: 6.6/9.0

· Massey University (Transferred to University of Auckland) Feb.2016 – July 2016

CAREER SUMMARY

McCarthyFinch   May 2018 – Present
Intern Software Developer   *Auckland, New Zealand*

· Coordinate and execute on several back-end projects for busy legal technology company to reduce costs and streamline efficiencies.
· Create algorithms to assist legal counsel with reading complex, extensive documents by creating algorithms that reduce workload and save time, as well as building a functional dictionary of all work completed for database.
· Create operational definitions for legal contracts, using RESTful APIs and GIT for ease of use amongst other team members and for documentation.
· Over 98% error reduction due to individual creation of algorithm, versus 40% error reduction with existing AI resulting in extremely high accuracy for over 300 legal contracts.
· Self-created algorithms filter positive data to train Artificial Intelligence (AI) for existing company products and LexisNexis, resulting in improved AI accuracy.
· Utilize Visualization to visually display the data/clauses in a graph or diagram format, with the use of JavaScript to create actual diagram
· Utilize effective communication skills and build rapport to ensure that teams understand project updates and changes.
· Superior problem solver and independently resolves issues without assistance.

MVP Studio   Feb. 2017 – June 2017
Intern Developer   *Auckland, New Zealand*

· Contributed to and participated in architectural discussions and design reviews, as well as daily Scrum meetings and weekly Sprint plannings.
· Designed and developed innovative and creative website features , as well as tested new features thoroughly to ensure accuracy.
· Learned and applied new technologies, frameworks, and languages to improve user interface by testing functions and fixing bugs.
· Reviewed detailed coding files and wrote clean, efficient, and readable code.
· Partnered with project leader, developers, and testers to provide necessary progress updates.
· Working for Agile,utilised and applied the full range of tools in the MS Stack, including: MVC, C#, SQL Server, and the latest JavaScript Framework such as Angular.

University of Auckland   Feb. 2017 - June 2017
Student Tutor   *Auckland, New Zealand*

· Tutored first-year university students in Computer Science and Maths.
· Assessed learning styles of each student and creatively adjusted tutoring style based on result.
· Affected student information retention and overall grade improvement in 100% of students tutored over one semester period

PROJECT HIGHLIGHTS

Animal Rehoming Project, Individual Course Project 2017

An online charitable platform to accomplish UN Sustainable Development Goals (SDGs), target on Animal Rescue. Using n-Tier Architecture (User Interface, Business Object, Business Logic Layer, Data Access Layer, Database) to implement user sign-in, user sign-up, user log out, animal adoption,animal donation, management system as well as analytical dashboard functions.
Tools: ASP.NET, MVC, C#, Bootstrap, HTML, CSS, JavaScript, AJAX, SQL, API, Git
GitHub link: github.com/Audreyzxy/Project-AnimalRehoming

Clothes Recycling Project, Individual Course Project 2017

An online charitable platform to accomplish SDGs, target on Clothes Recycling. Using n-TierArchitecture (User Interface, Business Object, Business Logic Layer, Data Access Layer, Database) to implement sign-in, sign-up, give clothes, receive clothes, clothes management and analytical dashboard functions.
Tools: ASP.NET, MVC, C#, Bootstrap, HTML, CSS, JavaScript, AJAX, SQL, API, Git
GitHub link: github.com/Audreyzxy/ClothedRecycling-CaseStudy

REWARDS AND HONOURS

Certificate of Outstanding Achievement in *Computer Graphics and Image Processing* – University of Auckland (UoA) 2018
Certificate of Outstanding Achievement in *Applied Algorithms* – UoA 2017
Certificate of Outstanding Achievement in *Distributed Objects,Services and Programming* – UoA 2017
Certificate of Outstanding Achievement in *Programming Techniques* – UoA 2017
Certificate of Outstanding Achievement in *Computer Systems 1* – UoA 2017
Certificate of Outstanding Achievement in *Algorithms and Data Structures* – UoA 2017
Certificate of Outstanding Achievement in *Principles of Computer Science* – UoA 2017
Certificate of Outstanding Achievement in *An Introduction to Practical Computing* – UoA 2016
Certificate of Completion *HTML/CSS* – Code Avengers 2017
Certificate of Completion *JavaScript* – Code Avengers 2017

REFEREE

References are available on request.