

Xero

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Application for Software Engineer

Dear Xero,

I admire Xero's popularity in the accounting software market, being keen to grow my life-long career with all of you and strive for the successes of Xero and your clients. I graduated with a Graduate Diploma in ICT (with Top Student Award) from Ara in 2020, and also with BE (Hons) Computer Engineering with minor in Communications and Network Engineering (Second Class Honours Division one) from the University of Canterbury in 2018.

I am passionate about technology, focusing on .NET development and pursuing to be an excellent Microsoft-stack software developer. I am developing and implementing my own learning plan in my spare time at <https://github.com/harrykhlo/LearnMicrosoftStackPlan>, aiming to familiarly with the entire Microsoft-stack inside out. I am also putting my learning into practice through building public and private application. The source code of the public application is at <https://github.com/harrykhlo/RetailManager>; and a public front end of the private application is at <https://biodatasistemas.com.ar>.

I would like listening to people what is important to them, trying my best to suggest and implement possible solutions. I recently initiated three interesting discussions about application of technology and presented along with documents below.

- 1) First was a child portfolio report idea:
 - a) <https://github.com/harrykhlo/MiscellaneousRecords/blob/main/ChildPortfolioReportIdea.pdf>
- 2) Second was a restaurant platform application:
 - a) <https://github.com/harrykhlo/MiscellaneousRecords/blob/main/29.6.2021draft-RestaurantPlatformAppDesignPreamble.pdf>
- 3) Third was an auto data processing:
 - a) <https://github.com/harrykhlo/MiscellaneousRecords/blob/main/14.08.2021Harry-BriefAutoDataProcessingProposal.pdf>

For the third idea, the discussion with <https://www.betasbi.co.nz> is still in progress now. For the second idea, I voluntarily brought a client to initiate business discussions with my friend's company <https://www.tabletwebtech.co.nz>. The discussions are still going now. For the first idea, I could not further put forward because of childcare centre's privacy.

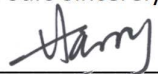
Through past employments, I demonstrated my integrity, responsibility, high standard and team spirit to solve problems. Those attributes have recorded on the referee reports for my scholarship application. The reports are enclosed in a set of supplementary materials summarized some of my efforts given at <https://github.com/harrykhlo/MiscellaneousRecords/blob/main/SupplementaryMaterials.pdf>.

I am enthusiastic about bridging the gap between IT and the businesses, being eager to apply technologies to overcome real-world issues. I can ensure that I am very keen to learn and ready to take any challenges. I would like to bring all my passion, knowledge and skills to your organisation, and to be a positive member to your team.

I am studying an online part-time Master of Applied Computing in software development in the Lincoln University while working as a temporary worker in various shifts in the electronics manufacturing industry. And also, I was a mentee in Canterbury Tech, learning software development in C# ASP.NET core and Blazor, and helping my mentor with developing a hearing clinic app <https://biodatasistemas.com.ar> (i.e. the aforementioned private application). I am striving hard to develop my software development career.

I am ready to extend my career in the technology industry with Xero. My CV is enclosed for your consideration. I look forward to hearing from you. Thank you for your attention.

Yours Sincerely,



Harry Kwok-hung Lo



GET IN CONTACT

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109A Suva Street, Upper Riccarton, Christchurch 8041, New Zealand.

Work Right Status: NZ citizen.

PERSONAL PROFILE

Enter-level software engineer

- **Loves coding, testing and debugging**, as it gives me a sense of accomplishment and confidence.
- Passionate about writing **clean code** satisfying **SOLID principles** that results in robust software.
- **High work ethic** was demonstrated through study and employment.
- With **internship experiences**.
- With **GIS and Fortran programming** experience from civil engineering background
- **Quick learner**: picking up skills quickly and confidently.
- Eager to **continue improving** skills

SKILLS

Coding

- JavaScript
- Python
- C#
- PHP
- HTML
- TypeScript
- C / C++
- CSS
- Markdown
- Fortran

Frameworks and libraries

- ReactJs
- NodeJs
- .NET ASP Core
- Angular
- Flask
- Entity Frameworks
- VueJs

Testing methods and tools

- TDD
- .NET MS Test
- Manual tests
- Jasmine
- Jest

Database

- MS SQL
- MongoDB

Version control

- GitHub
- GitLab

Management methods

- Kanban
- Scrum
- Agile

INTERNSHIP / LEARNING EXPERIENCE

Mentee to Remote Software Developer (Part-time)

Biodata Sistemas (Argentina) | Aug 2021 – Present.

Canterbury Tech (Christchurch) | May 2021 – Aug 2021.

- Learn and develop a hearing clinic app:
<https://biodatasistemas.com.ar/>
- C#, ASP.NET Core Restful API.
- Blazor.
- Jira.

Summer Intern

Tait International | Nov 2020 – Feb 2021.

- Python Flask Restful API.
- Security: SSH certificate.
- Event logging: Graylog for data extraction and visualization.
- Efficiency improvement: maintenance process for remote Linux mobile devices and readability of unstructured log data.
- GitLab for version and quality control
- Linux (Ubuntu distribution)
- Docker

Software Developer Intern

MVP Studio Limited | Aug 2020 – Nov 2020.

- C# ASP.NET core MVC Web Restful API.
- React application.
- GitLab for version control.
- SQL Server DB

Intern

Hedgebook Limited | Feb 2020 – July 2020.

- Test driven development.
- React application.
- Applied Kanban management.
- GitHub for version control.

Intern

Numbers NZ Ltd. | Sep 2019 – Feb 2020.

- Built and tested components of AWS Lambda Serverless.
- Tested and debugged components of Angular and Ionic user interface.
- Agile Scrum software development framework.
- GitHub for version control.

SKILLS (Cont'd)

Log management

- Graylog

Other Skills

- UX design
- GIS
- Electronics
- MS Office
- Embedded system
- Geotechnical engineering
- Structural engineering
- Civil engineering

CURRENT EMPLOYMENTS

Temporary Worker

from several employment agents

OneStaff Recruitment | Aug 2021 – Present.

Reliance Recruitment | Feb 2021 – Jul 2021.

- Manufacturing circuit board.
- Circuit board testing.
- Circuit board inspection.
- Assembly work.

AWARDS

Outstanding Academic Performance

Ara Institute of Canterbury | 2019.

Winner (team of 2) of Coding Challenge @ Te Ōhaka

SchoolBell.chat & Ministry of Awesome | 2019.

Chocolate Fish Award (for design and building database system)

Vector Advanced Meter Service | 2019.

Skills Shortage Scholarship

Ara Institute of Canterbury | 2019

Certificate of Appreciation (for work performance)

TE Connectivity | 2019.

First Runner up (team of 4)

Robert Walters Hackathon | 2018.

UC Summer Research Scholarship

University of Canterbury | 2017.

Golden Key Membership (academic achievement reaching top 15% of students)

Golden Key | 2017.

REFEREES

Available on request.

INTERNSHIP / LEARNING EXPERIENCE (Cont'd)

Software Developer Intern

MVP Studio Limited | May 2018 – Sep 2018.

- Built C# ASP.NET MVC Web Applications.

Placement for UC Scholarship

University of Canterbury | Nov 2017 – Feb 2018.

- Modified and developed an image processing software for improving the efficiency of a microorganism force sensor by using ImageJ and MATLAB.

Summer Intern

Shell Todd Oil Services Limited | Nov 2016 – Feb 2017.

- Modified, designed and developed VBA-embedded Microsoft Excel spreadsheets interacting with production computer systems for improving the efficiency and accuracy of management processes.
- Used MS Excel, VBA, SQL and OSIsoft - PI System.

Research Student and Research Assistant

The Hong Kong Polytechnic University | Sep 2001 – Nov 2004.

- Wrote Fortran program for simulating landslide behaviour.
- Used GIS to generate landslide hazard map.

Education

Master of Applied Computing (Part-time Online)

Lincoln University | Feb 2021 – present.

- User experience design.
- Software development.

Graduate Diploma in ICT (programming pathway)

Ara Institute of Canterbury | Feb 2019 – Jul 2020.

- Software development (C#, Python, JavaScript, HTML, CSS, PHP & SQL).
- Project management.

BE (Hons) Computer Engineering

University of Canterbury | Jul 2014 – Mar 2018.

- Software development (Python, Java, C & C++).
- Electronics (circuit board design and production, VHDL, nano tech & signal and image processing)
- Project management.

Post. Diploma in Professional Accounting (Part-time)

The University of Hong Kong | Sep 2008 – Jul 2010.

Master of Philosophy

The Hong Kong Polytechnic University | Sep 2001 – Jul 2004.

- Wrote Fortran program for simulating landslide behaviour
- Used GIS to generate landslide hazard map.

BEng (Hons) in Civil Engineering (Part-time)

The Hong Kong Polytechnic University | Sep 1996 – Jul 2000.