

# Kimberly Wu

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[View Portfolio](#)

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## Objective

To acquire a position in a fast paced environment that will allow me to utilize my extensive background in technical skills, creative design and interpersonal attributes in order to create exceptional quality work that will contribute to the rewarding success of the team.

## Education

### **BSc., Specialization in Bioinformatics**

**2010 – Present**

- University of Alberta, Edmonton, Alberta

### International Baccalaureate Diploma

2007 – 2010

- Harry Ainlay High School, Edmonton, Alberta

## Research/Employment History

### **Researcher:**

**Supervisors:** Dr. David Wishart

2014

Wishart Lab, University of Alberta

- Developed web mining scripts in Python used to capture interactions new to DrugBank from DGidB, Matador and SuperTarget. Information gathered from scripts were imported into Sequel Pro, where data was cross referenced with the DrugBank database.

### **Graphic Designer:**

2013 – 2014

**Supervisors:** Oliver Rossier and Jennifer Hinnell

The Kule Institute for Advanced Study, Faculty of Arts, University of Alberta

- Developed video for KIAS Tomorrow's Ideas Now Conference: [Watch here](#)
- Designed layout for "*Total Art: Research Into, Through, and For Performance: papers from the University of Alberta's Performing Research/Practicing Performance Spring 2013 intensive*" led by Dr. Natalie S. Loveless and funded by the Kule Institute for Advanced Study

### **Research Assistant:**

2013 – 2014

**Supervisors:** Dr. Joel Gehman and Dr. Mathew Grimes

Strategic Management and Organization, Alberta School of Business, University of Alberta

- Programmed a web scraping application in Python responsible for the data and image collection of over 85,000 pages.
- Developed the website used to launch the web scraping utility.
- Demo version can be [viewed here](#).

### **Research Illustrator:**

2012 – 2013

**Supervisors:** Dr. Khoulood Ahmad

Department of Laboratory Medicine and Pathology, University of Alberta

- Designed an illustration for a research article published by Dr. Khoulood and colleagues. This required collaboration with other researchers and necessitated the fundamental knowledge of the biological components found within the diagram.
- Devised and completed new, accurate and detailed diagrams when modifications were needed in very short periods of time amidst balancing full time university studies.
- Figure 1 on "*Pathologic basis of antibody-mediated organ transplant rejection: from pathogenesis to diagnosis*" by Amani Joudeh, Khoulood Ahmad Saliba, Kaila A. Topping, and Banu Sis. [View here](#)

**Research Assistant:**

2012 – 2013

**Supervisor:** Dr. Heather Proctor

Department of Biological Sciences, University of Alberta

- Facilitated the image capture of over 50 Albertan lice specimen under a microscope.
- Employed image processing techniques as well as manual graphical editing in Adobe Photoshop to produce detailed, high quality images at 300 dpi resolution.
- Processed and compiled images of lice into a database to be used for future identification.

**Skills, Experiences and Personal Attributes****Computer Literacy**

- Computer Programming and Web Development: Python, Java/Android, HTML, CSS, SASS, Foundations, jQuery, Version Control.
- Graphic Design: **Fluent in Adobe Photoshop**, Adobe Illustrator, Adobe Flash, Gimp, Clip Studio
- Movie Making: Sony Vegas, Camtasia, Final Cut Pro X
- Able to adapt to new software practices, willing to learn new languages

**Background in Leadership**

- **Lead Designer in CMPUT 250** Present  
In charge of story line, character design, planning and momentum of a game developed in the Neverwinter Nights Engine.
- **Publicity Coordinator for UA-WiSE (Women in Science and Engineering)** 2012 – 2013  
Organized and coordinated meetings and events which offered opportunities for undergraduates to broaden their scope of future careers. This included promotional graphic designs for events such as Career Speed Dating, High School Outreach, Career Development Night (in collaboration with CAPS, the University of Alberta Career Center) and Discover U(niversity). Created and maintained the group website.
- **Marketing Director for Canadian Cancer Society, University of Alberta Chapter** 2012 – 2013  
Designed promotional material for events such as the 2nd Annual Cancer Symposium, Sprout a Stache and Pay it Forward for Cancer. Visualized and facilitated various methods of advertising and contributed to the planning and management of events.

**History of Extracurricular Involvement**

- **Ladies Learning Code Mentor** Present
- **Layout Designer for Electrical Engineering Student Newsletter** Present
- **Kule Institute Hackathon Student Services App: [Demo](#)** 2014
- **Produced the video for the ISSS Orientation Rap: [Watch here](#)** 2014
- **Artist in Artists on the Wards program in the University of Alberta Hospital** 2011 – 2012  
Built honest, caring relationships with numerous patients within the wards of the University of Alberta Hospital through artistic illustrations. Emphasized on strong patient focus and assisted in emotional encouragement as well as company for patients.
- **Women in IT Speaker** 2011  
An official speaker for the Women in Information Technology workshop at the University of Alberta: A conference that offered young girls the opportunity to explore technical based professions.

**Achievements/Awards**

- Recipient of the Maya Reinking Art Award 2010
- District of Edmonton Art Award Winner 2010