# Objective

# I am a dynamic and self-motivated student seeking internship and research opportunities in neuroscience and computer science related fields.

# Education

# Diploma: Bachelor of Science, University of Wisconsin-Madison 09/12 – 05/16

# Major: Computer Science (GPA: 3.8) and Neurobiology (GPA: 4.0)

# Advanced Coursework

**Neurobiology:**

Human Biochemistry (Spring 14), Introductory Biology II (Spring 14), Introductory Biology I (Fall 13), Organic Chemistry II (Fall 13), Organic Chemistry I (Spring 13)

**Computer Science:**

Artificial Intelligence (Fall 14), Bioinformatics (Fall 14), Mobile Applications (Spring 14), Linear Programming Methods (Spring 14), Operating Systems (Fall 13), Computer Networks (Fall 13), Algorithms (Spring 13), Data Structures (Spring 13)

**Skills**

**Laboratory:** cell culturing, cell fractionation, PCR, gel electrophoresis, Flow Cytometry, etc.

**Computer Science:** C, Objective C, Java, Python, Matlab, PHP, HTML, CSS, MSSQL, MySQL, and JavaScript

**Certification:** STT Web Design I

# Publication

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| * **Zhang Z**, Liu B. *Survey on Adaptation of Chinese High School Students in America*. Contemporary Youth Research 2012; 319: 32-36. |  | 10/12 |

# Research Experience

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| **Undergraduate Research Assistant**  [*Human Stem Cells and Neural Regeneration Lab, University of Wisconsin-Madison*](http://www.linkedin.com/company/4099?trk=prof-exp-company-name)  Participate in developing human embryonic stem cell treatment of neurological diseases. Duties include performing tests and augmentations to a cell line and creating cell lines or cultures of stem cells. |  | 01/14 - Present |
| **Independent Student**  *Department of Neurosurgery, Cedars-Sinai Hospital, Los Angeles, CA*  Shadowing Dr. John S. Yu during clinical rounds and participating in his research studies  on stem cell therapies for neurological disorders and brain tumors. |  | 12/13 – 01/14 |
| **Undergraduate Research Assistant**  *The Laboratory for Affective Neuroscience, University of Wisconsin Madison*  Researching primarily on the neurobiological difference of “real life” emotions, analyzing brain-imaging data, constructing research websites and managing databases for multiple research projects. |  | 06/13 - Present |
| **Undergraduate Research Assistant**  *Department of Educational Psychology, University of Wisconsin-Madison*  Researched primarily on the studies of international students’ adjustment to the social demands of the college environment at Prof. Brad Brown’s Peer Relations Study Group. |  | 02/13 – Present |
| **Independent Research Student**  *Department of Urology and Immunology, Mayo Clinic, Rochester, MN*  Completed a semester-long mentorship program in a urologic immunology lab. Duties included cell culturing, PCR, gel electrophoresis, and Flow Cytometry. |  | 01/11 – 06/11 |

# Work Experience

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| **Software Development Internship**  *Epic, Verona, WI*  Will participate in healthcare software development in OpTime Operating Room Management System in Summer 2014. |  | Summer 14 |
| **WWW Development Technician**  *USGS National Wildlife Health Center, Madison, WI*  Working part-time on maintaining the official website for National Wildlife Health Center and migrating the website from a Java framework to a PHP framework. |  | 07/13 - Present |

# Extracurricular Activities

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| **UW-Madison Association for Computing Machinery – Women in Computing**  *Organize speaker series and other events to advocate for women’s participation in computing and STEM fields*   * General member (2013) * Secretary (2014*)* |  | 01/13 - Present |
| **UW-Madison Chinese Scholars Students Association – Member**  *Organize and participate in on-campus events featuring Chinese culture.* |  | 09/12 – Present |
| **First Robotics Team – Software Programmer**  *Programmed for robot’s camera and shooter using Java and basic LabView techniques*   * 2012 Lake Superior Regional -- Semi-finalists * 2012 10,000 Lakes Regional – Finalists * Minnesota State High School League Robotics Tournament – Semi-finalists * Minnesota State Fair FRC Exhibition Competition – 3rd Place * 2012 Minnesota Robotics Invitational – 1st Place   - 2012 Minne-Mine Regional Tournament – Finalist |  | 09/11 – 05/12 |
| **American Regions Mathematics League – MN A1 Team Member**  *Automatically qualified for ARML and A1 team as one of Top 15 of MN Math League* |  | 06/11, 06/12 |
| **Minnesota State High School Math League – School Team Captain**  *Organized weekly team practices for regional and state Math League tournaments*   * State 10th place * State Invitational Tournament Qualifier * Top score of division and school |  | 09/11 – 05/12 |
| **Mayo International Relations Association – Secretary (2011), President (2012)**  *Promoted cultural understanding in events including Food Days, field trips, fund raisers, and cultural presentations*   * Raised $1500 for Haiti’s earthquake (2010) * Raised $1000 for Congolese women (2011) |  | 09/09 – 05/12 |
| **Mayo Clinic Young Volunteer (110 hours)**  *Delivered comfort and refreshments to patients and patient families* |  | 09/09 – 05/12 |