

Helly Kwee

hellykwee@gmail.com

EDUCATION

- Master of Science in Computer Science, July 2005
University of California at Santa Barbara, Santa Barbara, CA
- Bachelor of Science in Biochemistry, June 1997
University of California at Los Angeles, Los Angeles, CA

MILITARY EDUCATION

- 09/1993 – 06/1997: Reserve Officer's Training Corps (ROTC), University of California at Los Angeles
- 08/1997 – 12/1997: Signal Officer Basic Course, Fort Gordon, GA
- 05/1998: Network Nodal Manager's Course, GTE, Mannheim, Germany

SKILLS

- Computer Skills
 - Proficiency in Java, C, C++
 - Experience with J2EE, EJB, JSP, Struts, Maven, HTML, OpenGL, PL/SQL, Perl, Open Inventor, and molecular modeling tools: TGS/Mercury's Amira, Swiss PDB Viewer, RasMol, RNAMLView
 - Familiarity with .NET, SQL, XML, RNAML, JavaScript, network programming under Linux
 - General programming and development under Linux and Windows environments
- Languages: English and German

WORK EXPERIENCE

Amgen Inc. (Thousand Oaks, CA)

07/2005 – 10/2007

Sr. Associate IS Programmer/Analyst

- Software development:
 - Designed, developed, tested and supported scientific applications within the Research and Development Informatics organization
 - Worked on projects utilizing J2EE, EJB, Struts, Swing, PL/SQL, Maven and Perl
 - Coordinated with other technical staff and cross-functional global user teams to understand software problems and solve them
- UCSB Recruiting Facilitator in the Amgen College Hire Network (ACHN):
 - Pioneered university/employer relations between Amgen and UCSB
 - Planned, coordinated and led recruiting efforts for the Information Systems department at UCSB
 - Interacted with and engaged key players: hiring managers, HR personnel, university liaisons and college hire sub-team, to facilitate the recruiting process

UCSB Four Eyes Lab**01/2004 – 07/2005***Research Assistant*

- Worked on visualization and manipulation of 3D structures of biomolecules using the Amira visualization system
- Provided a simulation environment for molecular assembly by making enhancements to Amira
- Emulated haptic feedback with visualization constraints that allow and aid user interaction while obeying chemical, physical and user-defined constraints.

NSF/NIH Southern California Bioinformatics Summer Institute**06/2003 – 09/2003***Intern*

- Constructed web-based interfaces to allow public access and visualization of data
- Assisted in implementing analysis methods of current data
- Aided in automation of post-processing of sequence data

United States Army (Europe)**01/1998 – 08/2001***Captain, U.S. Army Signal Corps*

Positions held:

- *Adjutant, 72nd Signal Battalion*: Served as the principle advisor to the Commander on all personnel and administrative operations. Managed automated systems of personnel administration. Oversaw personnel management, evaluations, awards, promotions and finance. Acted as Unit Public Affairs Officer and Editor in Chief
- *Training Officer, 72nd Signal Battalion*: Oversaw training branch of the plans and operations section of a 400-person tactical signal unit. As Safety Officer, conducted safety inspections, provided safety annexes with risk management profiles, performed quality control checks to safety reports, and organized annual Safety Days to enhance overall safety awareness
- *Y2K Battle Staff Officer*: Set groundwork for Y2K compliance throughout U.S. Army Europe (USAREUR) communities with initial organization of networked database available to Y2K-concerned parties throughout Army communities in Europe

TEACHING EXPERIENCE**UCSB Computer Science Department****09/2003 – 06/2005***Lead Teaching Assistant*

- Planned, prepared, and led annual graduate student seminars that emphasized training of department teaching assistants to be successful and effective
- Compiled quarterly teaching evaluation results and provided feedback to evaluated teaching assistants
- Monitored overall performance of teaching assistants and provided guidance to strengthen individuals' weaknesses

UCSB Computer Science Department**01/2002 – 06/2003***Teaching Assistant*

Prepared and led discussion sections, graded material and assisted professors in the following courses:

- Winter 2002: Introductory Computer Programming (Java)
- Spring 2002: Computer Programming (Java)
- Fall 2002: Translation of Programming Languages (compilers)
- Winter 2003: Translation of Programming Languages (compilers)
- Spring 2003: Computer Programming (Java)