

Joseph R. Lee

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Education & Training

- National Chung-Hsing University – M.B.A Technology & Innovation (2011-2013)
- University of Saskatchewan – B.A. Anthropology – Distinguished Honors (2005-2007)
- University of Guelph – Computer Engineering [UNFINISHED] (1998-2001)
- Temiskaming District Secondary School – Honors (1995-1998)
- Certifications:
 - CompTIA Security+ SY0-501 (2020)
 - [Verification Code: 2KRG5CRMXDQE1NCJ](#)
 - IBM Professional Cybersecurity Analyst
 - [Verification Link: HJYQG7KHJV23](#)
 - Johns Hopkins University – Data Analysis (2013)
 - Rice University – Introduction to Interactive Programming in Python (2013)
 - Stanford University – Writing for the Sciences (2013)
 - University of Maryland – Surviving Disruptive Technologies (2013)
 - Stanford University – Democratic Development (2013)
 - Apple Computer Inc. – Tier 1 OS X certification (2003)
 - Global College – Professional TESOL Certification (2003)
 - Global College – Teaching Computer English, Teaching English Locally, Tourism English, and Teaching Children English (2003)

Achievements

- NCHU – Graduate Institute of Technology Management: Master's Thesis: *Using Patent Litigation Data to Identify High-Value Software Related Technology*
- NTNU – Taiwan-Japan Conference on Computing Aesthetics 2013 – Conference speaker and paper publication: *Technology's Effect on Human Evolution*
- International Conference on Information Management 2013 – Conference speaker and paper publication: *Using Software Patent Litigation Data to Identify M&A Targets*
- University of Saskatchewan – Distinguished graduate bursary award
- Temiskaming District Secondary School – Graduating Computer Science Award (1998)
- English Catholic Central School History Award (1994)

Skills

- Software development and scripting in PHP, Python, JS, SQL, Bash, and some C++
- Implementation of secure web-server systems for availability, confidentiality, resource optimization, automation, and reporting
- Secure full-stack deployment in CentOS/RHEL LAMP stack
- CompTIA Security+ certified for analysis with standards such as NIST, ISO, OWASP, Common Criteria
- 8 years exp. developing back-end PHP application functions such as geolocation, input sanitation, database queries, recommender systems, file-upload,
- 8 years exp. developing web front-end JS functions, event based DOM manipulation, GET/POST API functions, asynchronous programming, event driven features, data-visualization, and more.
- 5 years basic version control with Git
- 10 years exp. database form normalization, schema design and query optimization
- 10 years back-end scripting and automation in Python
- Exp. with other languages and ability to learn new languages/tools & troubleshoot

Work Experience

Software Consultant

*Ripple Software Research
Consulting
2014-present*

- Small to medium software project management
- Secure web hosting and change management for ~15 websites
- Analysis of web-server logs and configuration
- Project communication and strategy development
- Communication with clients

Lecturer

*Taichung University of Science and
Technology
Taichung, Taiwan
2014*

- Directing conversation workshops for groups of 35 university students
- Study plan and course material development
- Answering questions about English vocabulary and grammar
- Observing student progress and adapting to feedback from students

Workshop Developer

*National Chung-Hsing University
Taichung, Taiwan
2014*

- Preparing a free writing seminar for academic writing for Master's students
- Demonstrating available software tools to optimize organization of research materials
- Reviewing the basic outline of master's thesis and required sections

Instructor

*Global Village Organization
Taichung, Taiwan
2008-2013*

- Preparing students for TOEIC business English proficiency test
- Teaching technical English for business and business conversation
- Teaching intermediate and advanced English vocabulary, grammar, reading and conversation to university students and adult professionals
- Preparing lesson plans, exercises, reading material, and supplementary material
- Greeting new students and making them feel comfortable in our classroom
- Answering students questions effectively, and ensuring comprehension

English Teacher

*Sungi Educational Institute
Danjin, South Korea
2004*

- Helping students have fun, and making them feel comfortable in the classroom
- Planning games, teaching basic vocabulary and grammar
- Scheduling and completing textbook work, testing, and extra skill-building
- Helping students feel comfortable to practice English and ask for help

Co-op Web Programmer

*Technician Environment Canada:
Guelph, Canada
2001*

- Programming SQL database enabled web-applications with Cold Fusion CFML, HTML, Flash, and Java
- Maintaining sever integrity and ensuring uninterrupted functionality of the local network
- Installing peripheral devices for scientists, and managing the network maintenance
- Teaching managers and staff about computer network policies and usage

Co-op Student

*Northern Telephone
New Liskeard, Canada
1999*

- Developing electronic work-order flow systems using electronic forms and multimedia such as photographs
- Inspecting telecommunication work-sites for hazards and inconsistencies with expected
- Transferring architectural maps to digital format
- Reporting to Engineering about progress reports and potential work-site problems
- Coordinating inter-department communications

Computer Sales & Service

*Computer Options
New Liskeard, Canada
1996-2000*

- Consulting with customers about their needs
- Computer assembly, troubleshooting, and repairs of desktop computers and peripherals
- Training customers on basic computer skills and configuration
- Managing inventory and scheduling purchase-orders to maintain inventory levels
- Building good customer relationships, including house-calls for IT support
- Maintaining day-to-day operations, opening and closing security procedures, and handling cash register operations