CHUNG-YI
CHI

UX/Front-end Development Lead
Tutorspree Inc.

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RELEVANT COURSEWORK

HCI Methods
Capstone Project (with GE Healthcare)
Human Factors
Software Structure for User Interfaces
Communication Design Fundamentals
Basic Interaction Design
Rapid Prototyping
Designing Mobile Services
Introduction to Entrepreneurship
Artificial Intelligence
Machine Learning

SKILLS

Human-Computer Interaction
Contextual Inquiry Think Aloud
Prototyping Contextual Design
Heuristic Evaluation Design Patterns
Interaction Design Persona

Programming Languages
C/C++ C# Java Python
JavaScript PHP
Objective-C

Software Development
Object-Oriented Analysis & Design
Design Patterns

System Administration
Debian GNU/Linux CentOS
Mac OSX

Others
HTML5/CSS3 Flash SQL
Bash Shell Script GNU Make
Subversion git Vim Matlab
Adobe InDesign Adobe
Photoshop Adobe Illustrator

Human-Computer Interaction | User-Centered Design | Artificial Intelligence

EDUCATION

M.S. in **Human-Computer Interaction**   08/2010-08/2011
Carnegie Mellon University, QPA 4.05/4.33, Pittsburgh, PA
M.S. in **Computer Science**   09/2007-06/2009
National Taiwan University (NTU), GPA 4.0/4.0, Taipei, Taiwan
B.S. in **Computer Science**   09/2003-06/2007
National Taiwan University, GPA 3.92/4.0, Taipei, Taiwan

PROJECT EXPERIENCE

UX/Front-end Development Lead, Website Redesign/Implementation, Tutorspree   02/2013-06/2013
- *Collaborated with a design firm and freelancers to revamp the entire Tutorspree website, from mood board inspiration and wireframes to front-end dev and back-end integration.*

Technical Lead, Cardiovascular Information System Touchscreen Interface Project,   01/2011-08/2011
GE Healthcare
- *Conducted user research to design, develop, and evaluate solutions that improve the workflow of pre-, peri-, and post-procedure in cardiology departments.*

In-Museum Interface Designer, ReefBot Project, Pittsburgh Zoo & PPG Aquarium   08/2010-12/2010
- *Applied HCI methods to design a child-friendly interactive interface for remote control of an underwater robot that can see, recognize and identify fish species.*

WORK EXPERIENCE

Lead of User Experience and Front-end Development, Tutorspree Inc.   11/2011-08/2013
- *Redesigned and implemented the UI/UX of the entire site. Developed tools to streamline internal workflow. Applied HCI methods to evaluate and improve conversions.*

Teaching Assistant, Graduate Institute of Networking and Multimedia, NTU   07/2009-06/2010
- *Assisted in the accreditation of engineering education for the institute.*

Certified Instructor, Sun Microsystems Inc., Taiwan   01/2008-04/2010
- *Lectured on UNIX system programming, shell programming, and Java.*

Software Developer, INSIGHT Center, National Taiwan University   02/2007-10/2007
- *Developed Service-Oriented Architecture systems for intelligent home/living technology.*

Quality Assurance Intern, ZyXEL Communication Inc., Taiwan   07/2004-09/2004
- *Evaluated robustness and usability of its networking solutions.*

HONORS AND AWARDS

1st Place Team, Taiwan Region, Microsoft Imagine Cup 2007 Software Design Competition
Regional Representative, World Final, Microsoft Imagine Cup 2007 Software Design Competition
Technological Innovation Award, K.T. Creativity Award 2008
Featured Exhibition, Digital Art Festival Taipei 2008, "Drawing Whispers"
Outstanding Teaching Assistant Award, Computer Science & Information Engineering, National
Taiwan University, 2008

PUBLICATION

[1] **Chung-Yi Chi**, Richard Tzong-Han Tsai, Jeng-You Lai, Jane Yung-jen Hsu, *"A Reinforcement Learning Approach to Emotion-based Automatic Playlist Generation"*, the 2010 Conference on Technologies and Applications of Artificial Intelligence (TAAI 2010 International Track), 2010

[2] **Chung-Yi Chi**, Ying-Shian Wu, Wei-rong Chu, Daniel C Wu Jr, Richard Tzong-Han Tsai, and Jane Yung-jen Hsu, *"The Power of Words: Enhancing Music Mood Estimation with Textual Input of Lyrics"*, the 2009 International Conference on Affective Computing & Intelligent Interaction (ACII 2009), 2009

[3] Daniel C. Jr. Wu, Jih-Shiang Chang, **Chung-Yi Chi**, Chui-De Chiu, Richard Tzong-Han Tsai, and Jane Yung-jen Hsu, *"Music and lyrics: Can lyrics improve emotion estimation for music?"*, the 2008 International Society for Music Information Retrieval (ISMIR) Poster, 2008.

PATENTS

[1] Phone Lin, **Chung-Yi Chi**, Yung-Yu Chung, Jong-Chuan Lee, and Jya-Cheng Hu, *"A Method and System for Learning"*, Taiwan Patent (pending).

ADDITIONAL INFORMATION

Volunteer Work: Network Administrator for College Dormitory (about 960 users), 09/2005-02/2006.
                    Mathematics Tutor for Junior High School Students, 09/2004-06/2005.
Interests: Interaction Design, Guitar, Swimming, Photography, and World Travel.

References available upon request.