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PROFILE

Double Master's Computer Science and Software Engineering student at Tongji University (Shanghai, PRC) and Uppsala University (Uppsala, Sweden).

Primary research interests in HCI, graphics, interaction (UI & UX), system architecture, software design, computer vision.

Ambitions to work in interactive graphics, UI, interaction design and related fields.

EDUCATION

Tongji University, China – MSc Software Engineering, 2013 - 2015

Courses: Software Testing, Large-Scale Database Principles and Applications, Software Modelling and Design, Elementary Chinese, Chinese History and Culture, China's Socio-Economic Development.

Uppsala University, Sweden – MSc Computer Science, 2013 - 2015

Activities and Societies: Third Thursday UX / Interaction Design forum, ACM-W Chapter, UTN Engineering and Science Union, Värmlands nation, Gästrike-Hälsinge nation.

Courses: Advanced Computer Architecture, Computer Graphics, High Performance Computing and Programming, Advanced Software Design, Advanced Interaction Design, Computer Image Analysis, User Interface Programming I & II, Advanced Computer Science Studies in Sweden, Functional Programming, Basic Swedish.

University of Durham, UK – BSc Hons Computer Science, 2007 - 2011

Activities and Societies: St. John's College, University Volleyball team, Computer Society, Alternative Music Society.

Projects: IBM Software Engineering Program; Improvements on Fingerprint Recognition through Morphological Image Pre-Processing (Dissertation Project).

Courses: Advanced Theory of Computation, Advanced Software Applications and Methodologies, Advanced Computer Systems, Software Engineering, Programming and Data Structures, Programming and Reasoning, Databases, Formal Aspects of Computer Science, Foundations of Computer Science, Beginner's German.

Bilborough College, UK – A/AS Level, 2005 - 2007

Activities and Societies: Student Executive, IT Representative

Courses: English, IT, Philosophy & Ethics.

EXPERIENCE

IT Support, Kirk Hallam Community Technology College; Ilkeston, UK – 2012 - 2013

Hired following voluntary work as OS X Server Administrator and Apple Technician.

Senior iOS and OS X admin role, and general network admin.

Assist general support requests from staff and students, perform machine builds.

IT Manager, St John's College; Durham, UK – 2010 - 2011

Managed IT demands of staff, current students and adjoining ministerial college.
Initiated a new I.T. committee regarding services for the colleges.
Member of Durham University Information Technology Services think-tank.

PROJECTS PORTFOLIO SITE: <http://brady.pw>

Realtime GLSL Shadow Casting – 2014, Computer Graphics (Uppsala University)

WebGL Pong with Physics Engine – 2014, UI Programming II (Uppsala University)

Project Lead. Team of 3 internationals.

Multi-Lingual Calendar Application – 2014, UI Programming I (Uppsala University)

Project Manager. Team of 6 internationals.

DungeonQuest Software Modelling – 2013, Software Design (Uppsala University)

OO-structured software architecture design of complex fantasy board game.

Morphological Image Processing – 2010 - 2011

Improvements on Fingerprint Recognition through Morphological Image Pre-Processing.

Dissertation project. Written paper and Java application.

IBM Software Engineering Program – 2008 - 2009

Design and build a GPS-geocaching application for the Windows Mobile 5 platform.

Cross-site team collaboration. 2nd place of 15 teams.

SKILLS

Java, C, C++, Objective-C, OpenGL, ML, Erlang, HTML5 + WebGL, JS, SQL, Matlab,
AppleScript. OS X, Unix, Linux, Solaris, Windows.

LaTeX, desktop publishing suites, creative suites, AV editing.

Native English speaker (British). Elementary level Swedish, French, German and Spanish.

Recently started learning Mandarin Chinese.

Leadership and team management skills.

HONOURS

HCI Statement of Accomplishment with Distinction, Coursera Inc.

For achieving 97.1% in Human-Computer Interaction course provided by Stanford University. Completed Studio grading track. Top 1%.

Additional: Shortlisted for IBM UK Extreme Blue 2010.

Memberships: Association for Computing Machinery, New York Times Developer Network.

REFERRALS

Dr. Mikael Laaksoharju, PhD

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