

# Brady Ledger (布雷迪)

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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 art, video game design, AR/VR, 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 System 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**

Representative of the college on all technology-based fronts; incorporating staff, current students and adjoining ministerial college. Initiated a new I.T. Committee regarding services for the college. Member of Durham University Information Technology Services think-tank.

## **PROJECTS**

### **IBM Software Engineering Program – 2008 - 2009**

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

Full software development lifecycle incorporating a team from two sites (15 persons in total) in a collaboration with students at Newcastle University. Competed against 16 other teams on the same project. Introduced time management strategies for increased productivity. Shared workload between programming, documentation, planning, communication and review.

Presented demonstration and talk on the completed project before IBM. 2nd place.

## **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. 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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Director of Studies,*

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and Interaction

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