

Brady Ledger

Graduating student in M.Sc. Computer Science
Interests in Computer Graphics and GPUs
Uppsala University, Lund University

✉ bledger@siggraph.org
🌐 <http://brady.pw>
🔗 <https://github.com/braedy>
in <http://www.linkedin.com/in/braedy>
☎ +46 (0) 765-64 91 42
🏠 Sernanders väg 9-532,
75262 Uppsala, Sweden

Education

- 2016-2017 M.Sc. Thesis in Computer Graphics, Lund University, Sweden
Minimising Light Leakage in Real-Time Photon Splatting.
- 2013-2017 M.Sc. in Computer Science, Uppsala University, Sweden GPA: 4.6/5.0
- 2014-2014 M.Sc. in Software Engineering, Tongji University, People's Republic of China. Some college.
- 2007-2011 B.Sc. Hons. in Computer Science, University of Durham, United Kingdom
Bachelor dissertation in morphological image processing.

Experience

- 2015-2016 Consultant C# WPF Developer, Uppstuk AB, Sweden
- 2014-2014 Conference Assistant, Game Developers Conference China, People's Republic of China

Skills

- Programming C/C++, Java, C#, DX11/12, OpenGL, CUDA, NVIDIA OptiX, OpenCL, Matlab.
- Language English (*native*); Swedish (*limited working proficiency*);
Mandarin Chinese, Korean, French, German, Spanish (*elementary*).

Projects

- 2016 UC Berkley Computer Graphics & Imaging course projects.
- 2015 [DirectX/D3D Concepts](#): implementations of various common [rendering practices](#) and engine creation for DX11 and DX12.
- 2015 [Parallelism Optimisation](#): Low-level parallel implementations of an open-source pedestrian simulation, using SIMD, OpenMP and OpenCL.
- 2015 [Augmented Reality with Unity3D](#): study into interaction design and virtual control.
- 2014 [Realtime GLSL Shadow Casting](#): graphics course mini-project on shaders.
- 2014 [WebGL Pong with Physics Engine](#): small [game](#) development project highlighting UI mechanics.

Involvement

- Achievements VG (Pass with Distinction) - All Chinese language electives (Dalarna Högskolan, Sweden)
- Organisations ACM, SIGGRAPH (Student Member); Sweden China Forum (Committee Member)

Referrals

Dr. Michael Doggett, PhD
Associate Professor
Lund University Graphics
Group (LUGG)
Lund University
michael.doggett@cs.lth.se
+46 (0) 46 - 222 4745

Dr. Anders Hast, PhD
Senior Lecturer
Division of Visual Information
and Interaction
Uppsala University
anders.hast@it.uu.se
+46 (0) 18 - 471 3471

Dr. Mikael Laaksoharju, PhD
Director of Studies
Division of Visual Information
and Interaction
Uppsala University
mikael.laaksoharju@it.uu.se
+46 (0) 18 - 471 3599