

Curriculum Vitae

Personal details

Name	Lance Olav Eastgate
Born	1975
Civil status	Unmarried, no children.
Citizenships	Norway, USA, New Zealand
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Work experience

2014-	Senior developer at Inspera AS .
2013-2014	Teacher in physics, math, and natural sciences at Oslo Handelsgymnasium high school , Norway.
2005-2013	System analysis, project management, development, and programming at RoomSketcher AS (formerly Viseno AS and Xvision AS), Oslo, Norway.
2004-2005	Research, programming, and data analysis at Intelligent Trading AS, Oslo, Norway.
2003	Teaching physics for the Medical College Admissions Test (MCAT) at Kaplan, Inc. , Santa Barbara, CA, USA.
1999	Teaching Assistant in physics at Cornell University, Ithaca, NY, USA.
1996-1998	Teaching Assistant in mathematics and physics at the University of Oslo, Norway.
1991-1998	Private tutor in mathematics and physics, at all levels from high school to university.

Higher education

1999-2004	<u>Ph.D.</u> in Computational Condensed Matter Physics at Cornell University, Ithaca, NY, USA. Research: Theoretical and numerical modeling of amorphous solids; deformation and fracture. In part as visiting researcher at UCSB (University of California, Santa Barbara). Partially financed through a grant from the Norwegian Research Council (Norges forskningsråd).
1997-1998	<u>Cand. Scient.</u> in Computational Condensed Matter Physics at the University of Oslo, Norway. Thesis: "Wall Effects in Two Dimensional Molecular Dynamics Simulations." Grade: 1.1 (written and oral). [Scale: 1-6 where 1.0 is best and 1-4 is pass.]
1994-1996	<u>Cand. Mag.</u> at the Faculty of Natural Sciences, University of Oslo, Norway. Average grade: 1.3 . [Scale: 1-6 where 1.0 is best and 1-4 is pass.]
1992-1994	<u>International Baccalaureate</u> at Berg Videregående Skole, Oslo, Norway.

Other experience

2004-2012	Part-time fitness instructor at Studentidretten , University of Oslo, Norway.
2005-2010	Board member and chairman of the housing co-ownership committee for Sameiet Fredensborgveien 41B.
1995-1998	Executive member of the Norwegian Association of Young Scientists .
1995-1997	Project leader for Space Camp Andøya , Andøya Rocket Range.

Computer skills

- Computer science class at the University of Oslo, spring 2012: [INF3100 - Database systems](#).
- Knowledge of Windows, Mac OSX, and Linux/Unix-based systems. Some system administrative experience in Linux.
- Extensive experience with Object Oriented Programming (OOP), especially in C++.
- Familiar with [Design Patterns](#).
- Proficient in PHP and MySQL.
- Experience with 3D programming, including Cg (shading language) and OpenGL. Worked with the [Ogre3D](#) and [Unity](#) frameworks, and have a basic understanding of Autodesk 3ds Max. Used Adobe Flash (AS3) when working with [Papervision3D](#) and [Away3D](#).
- Competence in web development using modern web-standards (HTML5, CSS3), and experience with frameworks such as Backbone and React and tools such as Sass.
- Also: Java, C#, Python, Pascal, Fortran, XML, LaTeX, and VBA (Excel).

Language skills

- Norwegian and English fluently, both oral and written (bilingual).
- Basic French (6 years at school).
- Basic Italian (evening classes weekly 2008-2011).

Prizes / Honors

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| 1997 | Attendance at the Stockholm International Youth Science Seminar (SIYSS) held in connection with the Nobel Prize Ceremonies. |
| 1994 | 4th place in the Norwegian Abel Mathematics Competition. |
| 1994 | Member of the Norwegian team at the 35th International Mathematical Olympiad (IMO), Hong Kong. |
| 1994 | 2nd place in the Norwegian Young Scientists Competition for the essay "Sound Reduction in a Tube by Destructive Interference". |

Publications

- L. O. Eastgate, J. P. Sethna, M. Rauscher, T. Cretegny, C.-S. Chen, and C. R. Myers
"Fracture in mode I using a conserved phase-field model"
Phys. Rev. E **65**, 036117 (2002)
- L. O. Eastgate, J. S. Langer, and L. Pechenik
"Dynamics of Large-Scale Plastic Deformation and the Necking Instability in Amorphous Solids"
Phys. Rev. Lett. **90**, 045506 (2003)

References

Available upon request.