

Eirik Albrigtsen

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<http://github.com/clux/>

Profile

Professional C++ legacy paratrooper and spare time JavaScript hero seeking a higher level, more functional, role in technology. Strong analytical background in mathematics and teaching, and a long history developing modules for nodejs.

Education

- **University of Warwick** Coventry, UK
BSc + MA in Mathematics (First Class Honours) Oct. 2006 - Jul. 2010
 - Relevant: Computational Linear Algebra & Optimization via LAPACK, Matrix Analysis & Algorithms, Elliptic Curves, Statistical Estimators & Hypothesis Testing
 - Project: Mathematical foundations of prime generation and public key cryptography
- **Agder University** Grimstad, NO
Bachelor of Engineering (Power Electronics) Aug. 2003 - Jun. 2006

Employment

- **Cisco Systems** Langley, UK
Software Engineer 2010 - Present
 - Implementing (C++) and testing telepresence call control protocols, shared between a variety of scalable multipoint conferencing servers.
 - Architecting and tuning a multiple transport, upper level protocol abstraction with non-blocking encapsulated sockets in a multithreaded environment.
- **Agder University** Grimstad, NO
Teaching Assistant 2004 - 2006
 - Ran course support classes in mathematics and physics and tutored an intensive summer course for prospective engineering students

Coding

- **JavaScript modules** npm w/MIT
npm install && npm test since 2011
 - *autonomy* - Lightweight functional utility library
 - *subset* - Generalized set and comparison operations in a Haskell style
 - *logule* - A highly tunable, modular logger
 - *tournament* - Tournament management library
 - *decay* - Famous ranking algorithms for web content
 - *combustion* - A commonjs compiling micro-templating engine

- **Haskell modules** cabal w/MIT
2012
cabal install && cabal test
 - *tournament* - Tournament data management
- **clux.org** www
2007-2010
Interest-sparking project
 - A personal CMS written in CodeIgniter with modular, oo php and prototype.js
 - Event management, tournament generation, photo management, ranked comments
 - Included 30 normalized SQL tables back-end and heavily ajaxified front-end UI

Languages

| | |
|--|----------------------------------|
| JavaScript <i>ES5 w/node.js + window</i> | Disciplined <i>since 2007</i> |
| Haskell <i>H2010 w/GHC</i> | Comfortable <i>since 2012</i> |
| C++ <i>X< C++03 w/jam & gcc</i> | Comfortable <i>since 2010</i> |

Miscellaneous: Python, PHP, CSS (SASS/stylus)

Databases: CouchDB, SQL, Redis, MongoDB

Spoken: Norwegian & English (bilingual)

Interests

Programming: FP, TDD, CI, DVCS, NoSQL, Linux

Academic: Cryptography, optimization of algorithms, artificial intelligence

Misc: Badminton, rollerblading, swimming, photography, gaming