

PROFILE

I'm a web developer and generalist, with a passion for startups. I'm quick to learn and my skills range from game programming to query optimization.

PROJECTS

- Jelly** Suggests relevant links as you browse the web, via bookmarklet/add-on Works by *automatically extracting keywords* to search for related content
Website: <http://jelly.com/>
- Sole *technical co-founder*
 - Integrated Java machine learning tools (via JRuby/Sinatra) with client-side unsupervised keyword extraction algorithms for *superior* keywords
 - Tuned scoring algorithms for ranking the results from various sources

- XARKON** *Real-time*, physics-based MMO game built with Node.js
Play the original JS prototype on Chrome: <http://xarkon.com/spaceball.html>
- Wrote a components library for non-heirarchical code-sharing
 - Custom game engine, written in CoffeeScript

EXPERIENCE

- 2010 – 2011 **Lead Developer and DBA** at VEBSITE
- Data processing on the order of a *billion* records with Ruby
 - Managed several PostgreSQL database servers
 - Miscellaneous PHP programming and Linux server administration

TECHNICAL SKILLS

- PROGRAMMING** *Proficient* in RUBY and JAVASCRIPT
Experienced with PYTHON, PHP, SCHEME and Bash scripting
- MARKUP** \LaTeX , HTML, XHTML, CSS, MARKDOWN
- DATABASES** POSTGRESQL, MONGODB, MYSQL
- SYS ADMIN** 3 year's experience remotely managing Linux (Ubuntu/CentOS) servers
Comfortable with command-line tools and troubleshooting server issues

EDUCATION

- MAY 2010 **Bachelor of Science** in MECHANICAL ENGINEERING
New Jersey Institute of Technology, Newark, New Jersey
GPA: 3.71
- JUNE 2006 **Advanced Level General Certificate of Education** (A-LEVELS)
EXAMINATION BOARD: *Cambridge International Examinations*
SUBJECTS: Mathematics, Physics, Economics, Accounting
GRADES: A in each subject, with *national awards* in two

SOCIETIES AND AWARDS

- INTERNATIONAL STUDENT PRESIDENTIAL SCHOLARSHIP at NJIT
- ALBERT DORMAN HONORS COLLEGE
- PHI ETA SIGMA National Honors Society
- TWO CERTIFICATES OF EXCELLENCE from CAMBRIDGE UNIVERSITY for the *highest marks obtained nationally* in both MATHEMATICS and ECONOMICS in Saudi Arabia in the A-LEVELS FINAL EXAM