

Jacob Lyles

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Experience

Game Closure Inc. – Cofounder

2010 – 2012

Wrote JavaScript games and native code for game platforms, sourced and hired candidates, supervised company operations and vendors, pitched the company at public events, and led product teams through a period of rapid growth including two rounds of funding totaling more than \$12 million, multiple acquisitions, and more than two dozen new hires.

- **Product Manager** - Native platforms team
 - Gathered requirements, developed specifications, created milestones, contributed to development, and led senior developers on a social gaming infrastructure product for the Android OS using JavaScript, C++, and Java languages
- **Senior Developer / Product Manager** - Pop Star Defense
 - Gathered requirements, developed specifications, created milestones, sourced original game art and music, and led development for a four person game team on a cross-platform (iOS, Android, and web) multiplayer HTML5/JavaScript game, "Pop Star Defense".
- **Operations Supervisor**
 - Sourced free office space through networking and hustle
 - Built an operations team
 - Obtained work visas for international developers
 - Handled the company's banking, tax, accounting, payroll, benefits, and legal needs through two rounds of funding, multiple acquisitions, and rapid employee growth

Life Technologies – Machine Learning Intern

Summer 2009

- Achieved speed up of 15x on a signal-processing algorithm (Gaussian mixture model) using CUDA GPGPU technology.

FBR Capital Markets – Investment Banking Analyst

2006 - 2008

- Closed over \$1 billion worth of deals in the financial services industry. Experience includes sell-side M&A transactions and equity capital markets.

Education

MS Computer Science – UCSD

Class of 2010

- 3.6 GPA
- Focus in machine learning
- Coauthor "Occupancy-Driven Energy Management for Smart Building Automation", Buildsys – 2010
- Project: "Support vector machines for document topic classification"

BA Economics and Mathematics – Wake Forest University Class of 2005

- 3.6 GPA (magna cum laude)
- 3.7 major GPA
- Coauthor “Luminescence and Stimulated Emission in Zinc Oxide Nanoparticles, Films, and Crystals”, Radiation Effects & Defects in Solids – 2003
- “Meritorious” (top 15%) award for 2005 COMAP mathematical modeling competition

Fun Projects

- 3rd place prize at Yahoo! Hackathon for “Date Roulette”
- node-reddit: A command line client for browsing reddit while logged-in
- Hacker Hues: A colorization plugin for greasemonkey for browsing Hacker News
- MyPics (defunct): A personal photo gallery system

Skills

- Computer languages: JavaScript, Python, Matlab, C, Obj-C, Java, HTML, CSS
- Technologies: WSGI, node.js, mongoDB, iPhone, Android, Twitter Bootstrap, Backbone.js
- Interests: Economics, Philosophy, History, Muay Thai, Quantum Physics