Jacob Lyles

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Summary

My most recent experience has been in software engineering and product management. I'm looking for a similar position with a great product team that is making the world a better place.

Experience

Game Closure Inc. – Cofounder   **2010 – 2012**

I started Game Closure with three cofounders. Together, we built an awesome SDK for building mobile games in JavaScript, raised over $12 million, executed two acquisitions, and built a great team of about 30 people. I wore a lot of hats at Game Closure. Here are some of them:

- I wrote internal management tools using node.js, backbone.js, mongodb, and Twitter's Bootstrap library

- I wrote code for games and game frameworks. This includes pure JavaScript libraries and native extensions to the JavaScript runtime connecting V8 and SpiderMonkey with iOS and Android APIs. I primarily used JavaScript, Python, Java, Objective-C, and C++

- I led two product teams from start to finish by gathering requirements, writing specifications, developing roadmaps, and leading development from day to day

- I sourced, interviewed, and hired candidates from the United States and abroad

- I handled the operations of the company, including accounting, banking, payroll, real estate, H1-B, and legal needs

- I pitched the company's vision at public events

UCSD – Teaching Assistant   **2009 - 2010**

- Created and graded homework assignments in collaboration with a rotating roster of lecturers as TA for a freshman survey course in Computer Science. Topics included computer vision, programming languages, machine learning, web application development, and the business of computer science.

Life Technologies – Machine Learning Intern   **Summer 2009**

- I proved the effectiveness of GPGPU technologies for machine learning by achieving a 15x speed up on an R&D team's Gaussian Mixture Model on a summer project. As a result of my team's benchmarks, Life Technologies hired a permanent GPGPU team at the end of the summer

FBR Capital Markets – Investment Banking Analyst   **2006 - 2008**

- Closed over $1billion 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, SQL, bash
- Technologies: Unix, WSGI, node.js, mongoDB, iPhone, Android, Twitter Bootstrap, git
- Interests: Economics, Philosophy, History, Muay Thai, Quantum Physics