Grace Yin

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Education

Massachusetts Institute of Technology [Cambridge, MA]   **Sept 2015 –**

Double major in Computer Science and Music, minor in Mathematics; GPA 5.0/5

Phillips Exeter Academy [Exeter, NH]   **Sept 2011 - June 2015**

Graduated Early Cum Laude (top 5% of graduating class); GPA 10.52/11

Work Experience

MarkLogic Co. – Developer Intern [San Carlos, CA]   **May-August 2016**

- Designed and implemented a web-app showcasing the MarkLogic enterprise NoSQL database's geospatial search features. Doubles as a visual tool for analyzing MarkLogic's Early Access (beta) users. Worked on the full stack from data ingestion scripts in JavaScript to frontend interactivity using jQuery.

MIT Sloan School of Management – Undergraduate Researcher [Cambridge, MA]   **March-May 2016**

- Joint project between MIT Sloan School of Management and the Mobile Innovation Center of Stanford University to discover how the app economy targets children and monetizes their actions; used JavaScript to compile and analyze terabytes of mobile app data stored in MongoDB database. Funded by the NSF.

McKinsey & Co. – Geospatial Analytics Intern [Waltham, MA]   **January 2016**

- One-month long internship during MIT's winter break; joined McKinsey's developing team to design, implement, and test a minimum viable product of a vehicle routing problem solution using open source data and software; new features I coded were integrated into the open source codebase; presented to the international Geospatial Analytics team, which will use it to serve future clients.

Activities

HackMIT [Cambridge, MA]   **September 2015**

- Created a social alarm clock app that connects with friend network to help motivate users awake; set up MongoDB server, wrote Node.JS/Express.JS driver, wrote HTTP networking in Swift

HackExeter [Exeter, NH]   **2014-2015**

- Co-founder of a hackathon targeting middle school and high school students; helped organize and mentor participants

USACO – Silver Rank   **February 2015**

HackerRank – Silver medal, algorithms contest   **June 2016**

- Occasionally compete in online algorithm contests for fun

Skills

- Java, Python, C++
- JavaScript – back-end: Node.JS, Express.JS; front-end: jQuery, AngularJS
- Swift – iOS app development
- NoSQL databases – MongoDB, MarkLogic
- HTML, CSS, PHP, Linux/Unix shell scripting