

## Work Experience

- **LeanData Inc.** Sunnyvale, CA, USA  
*Software Engineer* Sep. 2015 - present
  - Working on top of the Force.com platform, doing full stack work using HTML/CSS/JS/JQuery, VisualForce, APEX, SOQL.
- **Microsoft** London, UK  
*Software Development Engineer Contractor* Sep. 2014 - Aug. 2015
  - Contracted to continue maintaining the tools and data flows built during my placement year.
  - Working on delivering new systems for metrics gathering. Investigating and contrasting approaches used by Bing against other competitors.
- **Microsoft** London, UK  
*Software Development Engineer Intern - Placement Year* July 2013 - Sep. 2014
  - Worked in the **Bing** Search division, being responsible for delivering key metrics to the Autosuggest and RelatedSearch feature teams. Developed and maintained multiple data flows, databases and evaluation interfaces used to measure, store, and keep track of the product improvement
  - Developed several monitoring and analysis tools with a Web UI. Usage is now widely adopted within several teams in the office, having greatly enhanced their productivity as well as minimizing the budget spendings required on attaining offline metrics.
  - Backend technologies revolved around C#, ASP.NET and SQL development, along with other proprietary languages. Front-end required HTML/CSS/JS/AJAX and ASP.NET Controls.
  - Developed a solid understanding of Search Technologies.

## Education

- **The University of Manchester** Manchester, UK  
*BSc(Hons), Computer Science, First Class Honors (80%) (4.0 GPA Equivalent)* Sep. 2011 - June. 2015
  - Relevant courses: Algorithms and Imperative Programming (80%), Advanced Algorithms I (81%), Advanced Algorithms II (89%), Object Oriented Programming with Java (81%), Fundamentals of Databases (83%), Software Engineering (72%), Machine Learning(73%), Distributed Computing(89%)
- **Dobruja College "Spiru Haret"** Romania  
*Romanian Baccalaureate, Computer Science and Mathematics* 2007-2011
  - Graduated Top of Class, with **9.23/10** Overall
  - Participated in numerous programming/algorithmic Olympiads/contests and took advanced training classes.

## School Projects and Extracurriculars

- **Wirelessly Controlled Robot Through Advanced Arm Motion Capture, Tracking and Gesture Recognition** Manchester, UK  
*Third Year Project* Sep. 2014 - Apr. 2015
  - This project explored the idea of building and controlling a robot composed of several subsystems, through the capture, tracking and recognition of arm and hand movements, achieved both optically, as well as through accelerometer and gyroscope readings.
  - Components included one Kinect sensor, a mobile Leap motion resting on a mechanical supporting structure attached to the base of the forearm, a Myo armband (electromyograph), with a custom classifier trained on a personal data set, a robotic arm, and a custom built mobile frame that allowed for mobility, controlled through a glove using an IMU (inertial measurement unit).
- **Peer Assisted Study Sessions** Manchester, UK  
*PASS Leader* Sep. 2012 - Apr. 2013
  - Volunteered to facilitate learning for a group of 10 first-year students. Attended a 1 month training program, designed to improve leadership and organizational skills. Successfully collaborated with two other PASS Leaders to plan weekly one hour long sessions. Assisted our group to familiarize themselves with course material and university life through activities such as icebreakers, various quizzes, and other social events.
- **Hackathons**  
*Organizer/Participant*
  - Have participated, won and organized numerous hackathons ever since I joined university.
  - Organized a GameJam hackathon where students had 48 hours to build a playable game of some sort!
  - Took part and won several **Microsoft** hackathons together with some of my colleagues. During one of these events, we hacked a Parrot Drone so that we could control it through a Skype bot that took commands and directed the drone accordingly (Fortunately the people from my team were Skype employees).
  - Competed with a team of friends in the HackManchester 2013 event, against 71 other teams. There were 8 challenges, each challenge having one winner and one prize. Our team won the Layershift challenge, which involved writing some interesting software on top of their Jelastic PaaS.

## Skills

**Languages:** C, C#, Java, SQL, HTML/CSS/JS, ASP.NET

**Operating Systems:** Linux, Windows, OS X

**Other Technologies/API's:** Visual Studio, SQL Server, IIS, Eclipse, Git, WPF

**Miscellaneous:** strong verbal and written communication skills, excellent troubleshooting and debugging skills, exceptional problem solving skills

## Interests

**Academic:** Mathematics, Machine Learning, Software Engineering, Hardware, Physics