Alexander Simes

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Education

2016	**Delft University of Technology, The Netherlands**
	Masters of Science, Software Technology, Web Information Systems
Thesis	• Analyzed filter bubble effect caused by recommender systems in live setting • Developed and deployed first live implementation of specialized recommender system while working as part of Scrum team with Sanoma Media.
2014	**University of California Santa Barbara, College of Engineering**
	Bachelors of Science, Computer Science
Extracurriculars	Crew team: 20+ hours/week, 4-year rower, top club program west coast Work: 10 hours/week during school term Sophomore-Senior year, see below

Work Experience

Dec 2016 – Present — **MileyDesign Group, Full-Stack Developer**
- Developing data visualization and management tools on LAMP with ExtJS
- Working with manager and customer to design optimal UX and application features

Jan 2016 – Aug 2016 — **Sanoma Media, Graduate Student Researcher/Developer**
- Implemented data pipeline and recommendations algorithms on a live platform working with AWS, Hadoop, Jenkins, Apache Spark, and PredictionIO machine learning server
- Used ELB and Monit to create redundancy and increase robustness to achieve 100% uptime for experiment serving >45,000 recommendations daily
  https://github.com/alex9311/predictionio-serendipitous-recommender-template

July 2012 – Aug 2014 — **UCSB Instructional Technology Services, Web Developer**
- Prototyped different application structures for UX design step of development
- Developed responsive JavaScript plugins for Moodle with the ExtJS framework
  https://github.com/lsitgit/easyview

June 2013 – Sept 2013 — **Invoca, Software Intern**
- Worked with Agile team of Ruby on Rails developers to build and deploy features using test driven development
- Contributed to sprints in testing and quality assurance

July 2011 – Sept 2012 — **UCSB Materials Research Lab, Systems Administrator Assistant**
- Installed servers, switches, and UPSs in machine rooms on the UCSB campus
- Migrated UCSB ScienceLine website database from raw HTML to MySQL

Personal Projects

Present — Developing/Maintaining **personal blog website** – alexandersimes.com
Technologies used: LAMP, MySQL, bootstrap, responsive design, Google analytics.

2015 — Lead developer for data-driven **pharmaceutical investment tool startup** concept.
Primary challenges: developer management, application architecture, UI design, database design, data consolidation, and pharmaceutical data parsing

Skills

Spark, PredictionIO, MLlib, JavaScript, ExtJS, Responsive Design, AWS EC2/S3, Jenkins, PHP, HTML, CSS, git, C/C++, Python, bash, MySQL, Excel and Photoshop

Personal

- Dual Citizenship: USA and Netherlands
- Enjoy running, biking, hiking, and weightlifting to keep in shape
- Completed a Masters in The Netherlands – loved learning Dutch and exploring the countryside by bike