

Alexander Simes

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github.com/alex9311

Education

Sept 2014 – Oct 2016	Delft University of Technology Masters of Science, Software Technology, Web Information Systems
<i>Thesis</i>	<ul style="list-style-type: none">Tested and analyzed filter bubble effect in recommender systems in live settingDeveloped and deployed first live implementation of specialized recommender system
Sept 2010 – June 2014	University of California Santa Barbara, College of Engineering Bachelors of Science, Computer Science
<i>Extracurriculars</i>	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 '16 – Present <i>Contractor</i>	Miley Design Group, Full-Stack Developer <ul style="list-style-type: none">Developing data dashboards on a LAMP + ExtJS stack wrapped in MoodleWorking with managers to design UI and discuss application features
Jan '16 – Aug '16 <i>Full Time</i>	Sanoma Media, Graduate Student Researcher/Developer <ul style="list-style-type: none">Implemented data pipeline and recommendations algorithms on a live platform working with AWS, Hadoop, Jenkins, Apache Spark, and PredictionIO machine learning serverUsed 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 '12 – Aug '14 <i>10 Hours/Week</i>	UCSB Instructional Technology Services, Web Developer <ul style="list-style-type: none">Developed responsive JavaScript applications with the ExtJS framework and a MySQL backend, including the Easyview gradebook viewer and several dashboards. https://github.com/lsitgit/easyview
June '13 – Sept '13 <i>Full Time</i>	Invoca, Software Intern <ul style="list-style-type: none">Worked with team of Ruby on Rails developers using agile software development to build and deploy features for the platformContributed to sprints in feature development, testing, and quality assurance
July '11 – Sept '12 <i>10 Hours/Week</i>	UCSB Materials Research Lab, Systems Administrator Assistant <ul style="list-style-type: none">Installed servers, switches, and UPSs in machine rooms on the UCSB campusWrote bash and PHP scripts in Unix environment

Personal Projects

Present	Developing personal blog website from scratch. Technologies used: LAMP stack, 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 extraction, 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