## **Alexander Simes**

alex.simes29@gmail.com +1 (805) 453-3179 alexandersimes.com

| 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  20+ hours/week, 4-year rower, top club program west coast Work: 10 hours/week during school term Sophomore-Senior year, see but Mork: 10 hours/week during school term Sophomore-Senior year, see but MileyDesign Group, Full-Stack Developer  2016 - Present MileyDesign Group, Full-Stack Developer  2016 - Present Developing data visualization and management tools on LAMP with ExtJS  3016 - Aug 2016 Working with manager and customer to design optimal UX and application features  3017 - Aug 2016 Sanoma Media, Graduate Student Researcher/Developer  3018 - Implemented data pipeline and recommendations algorithms on a live platfor working with AWS, Hadoop, Jenkins, Apache Spark, and PredictionIO machine learning server  319 - 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 100% uptime for experiment serving > 45,000 recommender-template  310 - Prototyped different application structures for UX design step of development Prototyped different application structures for UX design step of development 100% uptime for experiment serving plugins for Moodle with the ExtJS framework https://github.com/slegt/easyview  310 - Prototyped different application structures for UX design step of development 100 - Developed responsive JavaScript plugins for Moodle with the ExtJS framework https://github.com/slegt/easyview  311 - Sept 2013 - Sept 2014 - Sept 2015 - Sept 2014 - | Education             |   |
|--|-----------------------|---|
| Developed and deployed first live implementation of specialized recommend system while working as part of Scrum team with Sanoma Media.  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 b  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 platfor 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/laky311/predictionio-serendipitous-recommender-template  July 2012 - Aug 2014  July 2012 - Aug 2014  UCSB Instructional Technology Services, Web Developer  Prototyped different application structures for UX design step of developmen type://github.com/lsitgit/easylew  June 2013 - Sept 2013  Invoca, Software Intern  Worked with Agile team of Ruby on Rails developers to build and deploy feat using test driven development  Contributed to sprints in testing and quality assurance  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 analytic database design, data consolidation, and pharmaceutical data parsing  | 2016                  |   |
| Bachelors of Science, Computer Science  Crew team: 20+ hours/week, 4-year rower, top club program west coast Work: 10 hours/week during school term Sophomore-Senior year, see b  Work Experience  Dec 2016 - Present  MileyDesign Group, Full-Stack Developer  Dec 2016 - Present  MileyDesign Group, Full-Stack Developer  Developing data visualization and management tools on LAMP with ExtJS  Morking with manager and customer to design optimal UX and application features  Sanoma Media, Graduate Student Researcher/Developer  Implemented data pipeline and recommendations algorithms on a live platfor 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/isltgit/easyview  June 2013 - Sept 2013  Invoca, Software Intern  Worked with Agile team of Ruby on Rails developers to build and deploy feat 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 analytic Lead developer for data-driven pharmaceutical investment tool startup concept primary challenges: developer management, application architecture, UI design, database design, database design, data consolidation, and pharmaceutical data parsing                    | Thesis                | <ul> <li>Developed and deployed first live implementation of specialized recommender</li> </ul>   |
| Work Experience  | 2014                  |   |
| 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  | Extracurriculars      |   |
| Developing data visualization and management tools on LAMP with ExtJS Working with manager and customer to design optimal UX and application features  Sanoma Media, Graduate Student Researcher/Developer Implemented data pipeline and recommendations algorithms on a live platfor 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 developmen beveloped 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 feating 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 analytic Lead developer for data-driven pharmaceutical investment tool startup conceptions and pharmaceutical data parsing  | Work Experience       |   |
| Implemented data pipeline and recommendations algorithms on a live platfor 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    UCSB Instructional Technology Services, Web Developer   Prototyped different application structures for UX design step of developmen   Developed responsive JavaScript plugins for Moodle with the ExtJS framework https://github.com/lsitgit/easyview   | Dec 2016 - Present    | <ul> <li>Developing data visualization and management tools on LAMP with ExtJS</li> <li>Working with manager and customer to design optimal UX and application</li> </ul>   |
| 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 featuring 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  Lead developer for data-driven pharmaceutical investment tool startup conception of the UCSB campus database design, data consolidation, and pharmaceutical data parsing  | Jan 2016 – Aug 2016   | <ul> <li>Implemented data pipeline and recommendations algorithms on a live platform working with AWS, Hadoop, Jenkins, Apache Spark, and PredictionIO machine learning server</li> <li>Used ELB and Monit to create redundancy and increase robustness to achieve 100% uptime for experiment serving &gt;45,000 recommendations daily</li> </ul> |
| <ul> <li>Worked with Agile team of Ruby on Rails developers to build and deploy feath using test driven development</li> <li>Contributed to sprints in testing and quality assurance</li> <li>July 2011 – Sept 2012</li> <li>UCSB Materials Research Lab, Systems Administrator Assistant         <ul> <li>Installed servers, switches, and UPSs in machine rooms on the UCSB campus</li> <li>Migrated UCSB ScienceLine website database from raw HTML to MySQL</li> </ul> </li> <li>Personal Projects</li> <li>Present</li> <li>Developing/Maintaining personal blog website – alexandersimes.com         <ul> <li>Technologies used: LAMP, MySQL, bootstrap, responsive design, Google analytic</li> </ul> </li> <li>2015</li> <li>Lead developer for data-driven pharmaceutical investment tool startup conceptions of the primary challenges: developer management, application architecture, UI design, database design, data consolidation, and pharmaceutical data parsing</li> </ul>   | July 2012 – Aug 2014  | <ul> <li>Prototyped different application structures for UX design step of development</li> <li>Developed responsive JavaScript plugins for Moodle with the ExtJS framework</li> </ul>  |
| <ul> <li>Installed servers, switches, and UPSs in machine rooms on the UCSB campus</li> <li>Migrated UCSB ScienceLine website database from raw HTML to MySQL</li> <li>Personal Projects</li> <li>Present Developing/Maintaining personal blog website – alexandersimes.com         Technologies used: LAMP, MySQL, bootstrap, responsive design, Google analytic</li> <li>Lead developer for data-driven pharmaceutical investment tool startup conceptions of the primary challenges: developer management, application architecture, UI design, database design, data consolidation, and pharmaceutical data parsing</li> </ul>   | June 2013 - Sept 2013 | <ul> <li>Worked with Agile team of Ruby on Rails developers to build and deploy features<br/>using test driven development</li> </ul>   |
| Present  Developing/Maintaining personal blog website – alexandersimes.com Technologies used: LAMP, MySQL, bootstrap, responsive design, Google analytics  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   | July 2011 - Sept 2012 | <ul> <li>Installed servers, switches, and UPSs in machine rooms on the UCSB campus</li> </ul>   |
| Technologies used: LAMP, MySQL, bootstrap, responsive design, Google analytics  Lead developer for data-driven <b>pharmaceutical investment tool startup</b> concept Primary challenges: developer management, application architecture, UI design, database design, data consolidation, and pharmaceutical data parsing   | Personal Projects     |   |
| Primary challenges: developer management, application architecture, UI design, database design, data consolidation, and pharmaceutical data parsing  | Present               | Developing/Maintaining <b>personal blog website</b> – alexandersimes.com<br>Technologies used: LAMP, MySQL, bootstrap, responsive design, Google analytics.   |
| CL TH  | 2015                  |   |
| SKIIIS   | 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