
EDUCATION

Syracuse University, Syracuse, NY**Aug 2016 – Present**

- Ph.D. in Information Science and Technology.

Catholic University of Santa Catarina, Joinville, Brazil**Feb 2012 – Dec 2015**

- B.S. in Information Systems. GPA: 9.37/10.0.
- Coursework: Data Structures; Algorithms; Programming; Operating Systems; Distributed Systems; Software Engineering.

Syracuse University, Syracuse, NY**Aug 2013 – Aug 2014**

- Undergraduate Exchange Student. GPA: 4.0/4.0.
- Coursework: Mobile Development; Entrepreneurship; Human-Computer Interaction; Security; Databases; Gamification; Privacy.

EMPLOYMENT

Syracuse University, Undergraduate Research Assistant**May 2014 – Present**

- Working on authentication, accessibility, privacy, security, and ubiquitous computing at the SALT Lab.
- Designed a patent-pending web authentication framework; built password manager apps, libraries, and APIs.

Institute of Technical Education Singapore, Software Engineering Intern**Mar 2013 – Jun 2013**

- Built interactive 3D virtual reality app to reduce material waste in the floristry program; key role in small team (2 engineers).
- Conducted user tests with students; app deployed to 2013-2014 academic year's curriculum.

NeoGrid, Software Engineer**Feb 2011 – Feb 2013**

- Joined the Frameworks team in 2012 to lead the upgrade of front-end stack of Java EE framework used by 10-15 apps.
- Built analytics dashboard and Single-Sign-On authentication integrated with 20-30 applications.
- Optimized performance, usability, and scalability of Product Lifecycle Management platform used daily by 30-50 large retailers worldwide in several languages and time zones; reduced issues in production from around 2,000 to 0-100.
- Designed and implemented core features such as a JavaScript product recipe interpreter and UI, print-friendly web pages, and user roles for authorization to the PLM platform; worked daily with teams based in the U.S. and in the U.K.

TECHNICAL PROJECTS

- **Password Manager** (2015). Smartphone-based password manager that leverages smartphone sensors for authentication on the web. Swift, Java, JavaScript, Web APIs, Node.js.
- **iOS EPUB Reader** (2015). EPUB 3.0 parser and reader written in Swift for iOS. Swift, XML.
- **ParkAmigo** (2015). App for listing driveway spaces for parking. AngularJS, MongoDB, Node.js, REST.
- **196sense** (2014). App for sharing personalized travel tips and experiences grouped by destination; featured in Ionic Framework's showcase gallery. Mobile Web Development, Sass, AngularJS, MongoDB, Node.js, REST.
- **Web EPUB Reader** (2014). A cross-browser EPUB 3.0 reader with read-aloud feature. JavaScript, Web APIs, AngularJS.

ADDITIONAL EXPERIENCE AND AWARDS

- **Hackathon Organizer (2015)**: International hackathon for social challenges in Brazil: WorldSkills Digital Challenge.
- **W4A Program Committee (2015)**: Reviewed four technical papers for the 12th Web for All Conference (W4A 2015).
- **Instructor (Fall 2015)**: 20-hour introduction to programming and robotics with Arduino for high-school students.
- **Second Prize, Student Research Competition (2014)**: Awarded the silver medal in the Student Research Competition of the 16th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2014), out of 7 projects.
- **Student Startup Incubator (Summer 2014)**: Participated in the Syracuse Student Sandbox batch of 2014; presented finished app to 100-120 attendants on demo day.
- **Spring Break in Silicon Valley (2014)**: Visited 20 companies in the San Francisco Bay Area (startups, public companies, venture capital firms, Stanford University).
- **Science Without Borders Scholarship (2013)**: Scholarship award from the government of Brazil to study in the U.S.
- **Web Development Mentor (2012 - 2015)**: Mentored international competitors on web development; contributed to 4th (2013) and 1st (2015) international awards; delivered workshops and talks across Brazil and in Colombia.
- **First Prize, International Web Design Competition (2011)**: Awarded the gold medal at WorldSkills London 2011 in Web Design, out of 28 countries. Won regional (6 competitors) and national (18 competitors) qualifiers.

SKILLS

- **Programming Languages**: Proficient in JavaScript, Java, Swift and PHP. Prior Experience with C and C#.
- **Technologies**: HTML5; Web APIs; Web Sockets; SQL; MongoDB; Android Studio; XCode; Eclipse; Git; OAuth; Mobile APIs.
- **Areas of Expertise**: Human-Computer Interaction; Web Stack; Security; Privacy; Authentication; UX Design; Mobile & Web Dev.