

Alexandra (Ally) Sorge

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WORK EXPERIENCE

Web Developer

CARNEGIE MELLON UNIVERSITY English Department August 2014 – Present
Working as a front end web developer using JavaScript, jQuery, HTML, CSS and the d3.js library to produce data visualizations, update and maintain the Six Degrees of Francis Bacon Project at www.6dfb.org.

Student Researcher

CARNEGIE MELLON UNIVERSITY Human Computer Interaction Institute, Pittsburgh, PA January 2014 – Present
Assisted graduate students and professors with administrative and computer support for research projects.

Robotics Instructor

STORMING ROBOTS TECH LEARNING CTR, Branchburg, NJ August 2012 – Present
Taught robotics in small classroom environment for students from grades 2-6. Led students in learning about robotics through hands on projects. Worked with LEGO Mindstorms Robotics and programmed with Robolab and RobotC. Initiated to return to instruct classes during the Summer of 2014.

Administrative Assistant

STORMING ROBOTS TECH LEARNING CTR, Branchburg, NJ July - August 2012
Organized program registrations and prepared classroom materials. Answered phone and email inquiries from current and prospective parents.

EDUCATION

Student, Class of 2017

Carnegie Mellon University, Pittsburgh, PA

Information Systems Major

Spring '15 courses include: Application Design and Development, Communication Design Fundamentals, Global Information Systems, Photography, and Cognitive Psychology

Graduate, Class of 2013

SOMERVILLE HIGH SCHOOL, Somerville, NJ

Completed college-prep coursework including AP Statistics, AP Biology, AP French, AP Government and Politics, and AP English. Earned *First Year High Honor Award* for 2009-2010, *Second Year High Honor Award* for 2010 – 2011, and *Advanced Placement Honor Award* for 2011-2012 and 2012-2013.

COMPUTER SKILLS

Experienced programming in Python, Java, Swift, HTML, CSS and Sass, Javascript, jQuery
Proficient using Adobe Photoshop, Adobe Illustrator, Sketch

Programmer on high school FIRST Robotics FRC and FTC teams, works with Python, Java, C++, RobotC, and Robolab. Participated in Hackathons at Carnegie Mellon University, University of Pennsylvania and Mylan Laboratories Inc.

Won award for best use of Two Sigma's Beaker Notebook at Spring 2015 PennApps for a project using Python and Javascript to create visualizations with Minecraft data.

EXTRA-CURRICULAR ACTIVITIES

Emerging Leaders, Carnegie Mellon University leadership program: 2014.

Club Lacrosse, Carnegie Mellon University club lacrosse team: Member since 2013.

Senior Girl Scout, GIRL SCOUTS HEART OF NJ COUNCIL: Member since 2000.

FIRST Robotics, FTC & FRC teams, Lead programmer on FRC 2011-2012 season.

FIRST Robotics Dean's List Finalist 2012.

National Honor Society, Recording Secretary on the Executive Board, Tutor for the Middle School.

Peer Leader, Somerville High School Freshman leader/advisor 2012.