Danielle Midulla

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EDUCATION

Dartmouth College – Hanover, NH, *B.A., Major in Computer Science*   **June 2017**
    Relevant Coursework: Problem Solving via Object-Oriented Programming, Discrete Mathematics in Computer Science, Algorithms, Digital Electronics, Full-Stack Web Development, Senior Design and Implementation Project, Mobile Health, Introduction to Bioinformatics, Computational Immunology, Speaking Voice for the Stage

The Dalton School – New York, NY   **June 2012**
    Relevant Coursework: 4 years of Computer Science courses focused on Java and relevant concepts

TECHNICAL COMPETENCIES

Programming Languages: Java, Python, C, Ruby
Client-side Website Development: HTML, HAML, JavaScript, CoffeeScript, ReactJS, CSS, SCSS
Server-side Website Development: Ruby on Rails, ExpressJS (with mongoDB)

WORK EXPERIENCE

Neukom Digital Arts Leadership & Innovation Lab – Hanover, NH, *Developer*   **March 2016 – June 2017**
The Neukom DALI Lab strives to combine the latest design and technology practices to help partners communicate their ideas to maximize impact, through small-team, project-based student software development and design work.
- Built a kiosk gauging the emotional health of students at Dartmouth which collects hundreds of responses per day
- Created a website (changing-perspectives.surge.sh) to allow K-8 students to experience different types of disabilities using ReactJS and spearheaded the project to create the server-side user-management system using ExpressJS and mongoDB

Dartmouth Tutor Clearinghouse – Dartmouth College, *Tutor for Computer Science 001*   **Sep. – Nov. 2013 & 2015**
- Tutored 3 students over the course of each term in computer science concepts such as classes, recursion, big-O notation, dictionaries, graphs, and parallel computing as well as Python as taught in *Introduction to Programming and Computation*

XO Group – Bump Nest Team – New York, NY, *Technology Intern*   **June 2014 – Dec. 2014**
XO Group Inc. is a company that helps people navigate and enjoy life's biggest moments. The Bump-Nest team focuses on the engineering for the leading online pregnancy and parenting destinations for millenials with products such as theBump.com.
- Built a pledging interface for the Public Display of Breastfeeding campaign. Used HTML, responsive CSS, and JS to communicate with a server to tally the 2520 pledges to breastfeed in public and 3312 pledge to support it in real time.
- Constructed and launched a notification server to send weekly notifications to users iOS and Android users of the Bump Pregnancy application about the size of their babies, reaching ~30,000 phones worldwide every day and set to arrive at 8am local time. Built using Ruby on Rails and Amazon SNS through a test-driven pair programming process.
- Created both static and dynamic pages for The Bump's new website, launched spring 2015. (Backbone and Marionette JS, Ruby on Rails application.)
- Spearheaded the campaign to add Multi-Status support to the API, enabling parents using Bump products worldwide to track the growth and progress of multiple statuses, be they trying to conceive, pregnant, or parents. Built with Ruby on Rails.

Dartmouth IT Student Help Desk – Dartmouth College, *Student Consultant*   **Mar. 2013 – Mar. 2014**
- Staffed the college's only free help desk – providing technical assistance to students, faculty, and alumni
- Helped with installations, debugging both software and hardware issues, among many other issues

Dartmouth Computer Science Department – Dartmouth College   **Mar. – June 2013**
Recitation Section Leader for COSC 001 – Introduction to Programming and Computation
- Led a weekly section of approximately 7 students – grading their assignments and midterm and final exams of the class
- Staffed weekly "TA hours" - helping students grasp the concepts above as well as boolean logic and digital electronics

ADDITIONAL EXPERIENCE & SKILLS

Language Skills: Fluent in French; Citizen of both the USA and Belgium
Additional Work Experience:
- Skiing – worked winters in college for the Dartmouth PE Department as a PSIA-E Certified Level I Ski Instructor teaching beginner and intermediate skiers in a program assisting over 1400 students
- Worked at Ladurée New York during the holidays in 2012, 2013, 2015, and 2016 serving customers and filling orders
- Worked as a counselor in the Dalton Engineering for Girls program during Summer 2012 assisting the teachers to engage a group of middle school girls in a weeklong engineering project – building an RC plane from scratch, start to finish