Nicholas J Dupoux
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Text

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EDUCATION

Stanford University
Computer Science, GPA 3.95
Expected June 2016

Relevant Coursework
Programming Abstractions, Algorithms, Practical Unix, Computer Organization and Systems, Web Applications, Principles of Computer Systems, Intro to Probability for Computer Scientists, Intro to AI

AWARDS

President's Award for Academic Excellence in the Freshman Year
Received due to strong academic performance, the award honors students in the top 3% of the class who have exceptionally distinguished academic records that exemplify a strong program of study in the freshman year.

EXPERIENCE

Core Developer   June 2014 - present
Stanford Open edX
• Core contributor to the edX platform, a massively open online course provider
• Develop features used by hundreds of thousands of users worldwide
• Tech used includes Django, MongoDB, MySQL, and jQuery, among others

CS106 Section Leader   Dec 2013 - present
Stanford University
• Member of the Stanford CS198 Program
• Lead weekly section of 10 students for Stanford's introductory computer science course
• Responsible for grading assignments and exams
• Aid students in debugging their assignments

Officer   Sept 2013 - Spring 2014
Business Association of Stanford Entrepreneurial Students (BASES)
• Member of SVI Hackspace team within BASES
• Responsible for event organization and planning, including the 2014 Stanford vs. Cal Big Hack Hackathon
• Spearheaded efforts to negotiate partnership with campus management

Web Developer   Spring 2013 - Spring 2014
Stanford Robotics Club
• Responsible for development of the club's official website, using Twitter Bootstrap and a Python backend built on the Flask web framework.

Software Developer   Sept 2014 - present
Stanford Virtual Human Interaction Lab
• Develop immersive virtual worlds and simulations for use in social experiments run in the most advanced virtual reality laboratory in the world
• Tech used includes the Oculus DK2 and Python virtual reality development packages

SKILLS

Highly Skilled & Proficient: Python, Javascript
Proficient: C++
Prior Experience: Ruby, C, Java
Frameworks/Technologies: git, node.js, express.js, django, mongoDB, jQuery, coffeescript, MySQL, PostgreSQL, Rails

PROJECTS

• **Personal note-taking system** - built and currently expanding with features such as rendering of markdown files into html and automatic generation of a table of contents page. Written in Python and JS
• **edX feature contributions** - include an interface for instructors to see the content of course emails they've sent in the past.
• **Mood and activity tracker app** - currently developing a web application to allow people to track their mood and what activities they've done on a given day. The end goal is to make suggestions of activities that may improve mood based on data from the past.
• **Political data aggregator** - built the foundation for a system to collect and store politician voting and funding records over the past summer.