Matthew Piccolella

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EDUCATION:

Columbia University School of Engineering and Applied Science, New York, NY
Bachelor of Science - Computer Science, Adam R. Greenbaum Scholarship, Expected May 2017, GPA: 3.93

ENGINEERING EXPERIENCE:

Google, New York, NY
Software Engineering Practicum Intern, Google Apps, May 2014 - August 2014
  • Full stack web and mobile application development on Apps, Drive, and Docs for Google Classroom
  • Built several features for the web and Android application using Java, JavaScript, and other technologies
  • Had written ~10% of the existing front-end code for the project by the time I left

Columbia University Undergraduate Research Involvement Program, New York, NY
Undergraduate Researcher, Columbia University Software Systems Laboratory, May 2013 - February 2014
  • Worked on the "NimbleDroid" project, a software suite that optimizes Android application code to increase response times by up to 400% and decreases battery consumption by up to 20%
  • Built a client Android and Django applications that allowed users to optimize their applications
  • Presented our technology and received interest at International CES from Samsung, LG, and Motorola

LEADERSHIP EXPERIENCE:

Application Development Initiative (ADI) Executive Board Member, *New York, NY, September 2013 - Present*
  • Lead workshops committee in writing and delivering application development curriculum in subjects such as Flask, jQuery, and iOS development to more than 500 Columbia students
  • Work on applications for Columbia community, including Schedule Builders and Dining Apps
  • Created and taught a web development course for low-income local middle school students

DevFest Hackathon Organizer, *New York, NY, November 2014 - Present*
  • Work on a team of three to organize DevFest, Columbia's largest hackathon that draws over 1000 students
  • Raised more than $25,000 from 12 different companies as a result of sponsorship outreach
  • Taught introductory Python workshops for students during the hackathon.

Community Impact Leadership Program Coordinator, *New York, NY, September 2014 - Present*
  • Lead a group of 18 first-year students in organizing community service efforts in New York City
  • Organize company visits, provide lessons on writing project proposals, work with local non-profits

PROJECTS:

TravelrsCheck, January 2015
  • A web application that allows users to observe historical currency data in order to plan vacations to places where their currency will allow them the highest buying power
  • Received Best Use of Bloomberg API at DevFest 2015

Radius, September 2014
  • An iOS application that allows users to share and discover spontaneous events happening around them by uploading pictures and sharing their locations with people around them
  • Designed, developed, and tested the application, running usability experiments on a group of users

MusicAsleep, August 2014
  • Using OpenCV, the frontward-facing camera, and the EchoNest API, the application plays music for you on Spotify based on how asleep you are, helping to keep drivers from falling asleep while on long drives
  • Developed at Greylock Partners' summer hackathon

PlanMyNY, January 2014
  • Provided users with self-correcting recommendations for restaurants, events, and locations to visit in the city based on a random generation of agendas based on location and preferences
  • Received 1st Place Overall at Columbia's DevFest 2014

SKILLS:

Languages:
  • Java, Python, C, Objective-C, C++, R, Matlab, HTML, CSS, JavaScript

Technologies:
  • Flask, Unix, iOS, Android, Django, jQuery