

ARIQ AZAD

4024 Lerner Hall, 2920 Broadway | New York, NY 10027 | aaa2221@columbia.edu | [516] 510.7224

EDUCATION

COLUMBIA UNIVERSITY September 2010 – May 2014
Columbia College Class of 2014 | *B.A. Biophysics*

GEORGE W. HEWLETT HIGH SCHOOL September 2006 – June 2010
Class of 2010 | *Siemens Competition Semifinalist*

EMPLOYMENT

MCHIP - OPENMRS PROJECT January 2012 – *Present*
Android/Database Developer
✓ Working at the Sia lab to integrate medical device (mChip) with the Android platform
✓ Creating new data management system (alternative to OpenMRS) to work with *MSF* workers in S. Africa.

SPORTANEOUS September 2011 – January 2012
Lead Android Developer
✓ Creating native android application for early stage startup
✓ Integration with internal Scala API and Facebook Graph API

DEVELOPMENT

DONORSPARK January 2011 – *Present*
Founder, Lead Developer
✓ Created platform and service to help patients get off the organ waiting list. Patients can create a profile and leverage social media to spread awareness and find a match. Currently in beta phase, launched pilot program.
✓ Created platform using Django/MongoDB/Apache stack

COLUMBIA UNIVERSITY ANDROID APP June 2011 – *Present*
Lead Developer
✓ Created open source Columbia University android application to integrate with necessary Columbia services. Built using PhoneGap framework.
✓ Working with administration to transition application to 'official' university app.

LEARNBONES January 2010 – *Present*
Founder
✓ Created open source website presenting resources on the human skeletal system in an aesthetic manner.
✓ SEO campaigns created top Google rankings resulting in approximately 120,000 pageviews/month.

RESEARCH

DCN1 INHIBITION OF RAS-SIGNALING PATHWAY IN VIVO DROSOPHILA March 2011 – September 2011
Researcher
✓ Researched the role of DCN1 in ubiquitination of RAS-signaling pathway molecules and expression of upstream RAS in vivo *Drosophila melanogaster*. Research was conducted at The Mount Sinai Medical Center with Cathie Pflieger, Ph. D.

MICROGLIA-MEDIATED NEUROINFLAMMATION IN PARKINSON'S DISEASE September 2010 – January 2011
Researcher
✓ Researched receptors mediating the binding of microglia to a-synuclein and the effect of this interaction on neuroinflammation at Columbia University College of Physicians and Surgeons with John Loike, M.D.

ROLE OF RADICALS IN DRUG INDUCED LUPUS ERYTHEMATOUS June 2009 – January 2010
Researcher
✓ Researched effect of lupus inducing drugs on sodium hypochlorite in regards to oxidant formation. Research was conducted at SUNY Downstate Medical Center with Donald Gerber, M.D.

SKILLS

SPOKEN LANGUAGES: English, Bengali, Spanish
PROGRAMMING LANGUAGES/MARKUPS: Java, Python, Javascript, MongoDB, HTML5/CSS3