ZABIR HOSSAIN

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Education

- CUNY City College of New York M.S. Physics 2015
- CUNY City College of New York B.S. Physics (Honors Research) minor in Mathematics 2014.

Skills

Ruby on Rails(MRI/ JRuby), Sinatra, JavaScript, JQuery, React.Js, Angular 2, Ajax/JSON/XML/REST APIs, SQL Database, ElasticSearch, Redis/Memcached in-memory database, HTML5, CSS3, SASS, Github, Unit Testing, Load Testing(Apache Benchmark, Siege), MVC, Service Oriented Architecture, Object Oriented Programming, Linux, Cloud Server, Heroku, AWS(services: EC2, RDS, SES, SNS, S3, Cloudfront, VPC, Route 53).

Work Experience

Economic Systems Inc.

Full Stack Engineer — March 2017- present

Software Consultancy: Develop and support web applications for government agencies. Tech: Ruby on Rails, Sinatra, SQL/ElasticSearch/Logstash, JQuery, React.Js, Angular 2, Sass, Bootstrap.

Climate.IQ

Full Stack Engineer — May 2016 - February 2017

Developed a climate risk evaluation web application which enables users to accurately and cost-effectively evaluate their exposure to major climate risks. Tech: Ruby on Rails, PostgreSQL, Bootstrap, JQuery/JavaScript, Sass, AWS.

NYMVIC NonProfit Organization

Software Engineer — March 2016 - May 2016

Built a voter engagement platform to curate and manage voter subscription and an outreach pipeline through emails and text messages. Tech: Ruby on Rails, PostgreSQL, JavaScript/JQuery, Bootstrap, Sass, AWS, SES, Twilio.

StrategyHack

Software Engineer Intern — October 2015 - December 2015

Built a content marketing web application with a database of influencers categorized by search filters. Tech: Ruby on Rails, PostgreSQL, Bootstrap.

The City College of New York

Data Analyst Intern — February 2015 - May 2015

Analyzing, correlated relational data using statistical algorithm such as linear regression analysis, correlated and uncorrelated chi-square test, bootstrap resampling techniques, block method.

Institute of Ultrafast spectroscopy and Laser (IUSL) City College of New York

Research Assistant July 2012 - August 2014

Area of Research: Nonlinear Optics, Spectroscopy and Interferometry, Lasers, Fiber Optics.

Journal Publication:

- “Tuning vector vortex in spatially coherent supercontinuum multicolored optical beam using q-plate” Proc. SPIE 8999, Complex Light and Optical Forces VIII, 89990 D (February 2014); doi:10.1117/12.2042102
- "Tunable supercontinuum light vector vortex beam generator using a q-plate" Optics Letters, Vol. 38, Issue 23, pp. 5083-5086 (October 2013).

Awards:

- Recipient of Army Educational Outreach Program Undergraduate Academic Research Grant (2013).
- Recipient of Joseph Grossfield Memorial Academic Scholarship (2011).