

# Angelo J. Cruz Jr.

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## EDUCATION

**The Johns Hopkins University, Whiting School of Engineering**

Baltimore, MD

*B.S. in Biomedical Engineering (Computational Biology Focus), Minor in Computer Science* May 2015

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## PROFESSIONAL EXPERIENCE

**Deloitte Consulting, LLP**

Washington, D.C.

*Product Designer, Software Engineer, Technology Consultant*

Aug. 2016—Present

*Semantic Open Source Software (SEMOSS) Platform*

- Executed and managed 4 data analytics engagements valued over \$1M leveraging SEMOSS, a custom, open-source, business intelligence tool developed at Deloitte with over 1,500 monthly active users
- Designed and implemented over 50 new features, 5 visualizations, and product metric tracking as part of a 10-person engineering team using AngularJS/JavaScript/D3 and other front-end technologies
- Instituted agile DevOps practices including sprint planning, automated build deployment, and test automation that dramatically increased the engineering team's feature velocity and code quality

*Business Strategy Evaluation for an Analytics Startup*

- Led a team of 2 practitioners in assessing the business strategy for a predictive machine-learning startup
- Performed market analyses on the data provider and insurance markets to identify and define both current venture capital trends in the spaces as well as the corresponding competitive landscape
- Recommended that the startup pivot to a data analytics offering focused on helping governments create smart cities; the startup received \$100K in seed-funding as part of a well-known city-planning incubator

*Technology Integration Strategy for an International Social Enterprise*

- Co-led a cross-functional team of 5 in assessing the technology strategy for a social enterprise client
- Wire-framed interactive mockups for the enterprise's mobile application using Balsamiq and InVision in conjunction with a custom user persona that led to a 35% improvement in consumer conversion rates
- Delivered a customer segmentation model along with a technology acquisition plan for IoT/connected devices that could be used to collect customer data and refine the segmentation model in the future

*Strategic Business Development*

- Contributed to market research and professional writing to an official Deloitte point-of-view (POV) around the challenges and strategies of implementing IoT in the value chain of sports organizations
- Co-authored multiple proposals that resulted in Deloitte gaining 5 new clients in the federal and non-profit healthcare space with contracts totaling ~\$2M related to work in overall healthcare strategy

**Booz Allen Hamilton**

Washington, D.C.

*Technology Consulting Analyst*

Jul. 2015—Aug. 2016

*Improper Payments Estimation for a Federal Healthcare Agency*

- Automated SQL queries from a database of over 9,000 financial healthcare transactions in order to identify real-time trends while also providing cross-functional SQL query support to the functional team
- Created Python scripts to calculate payment error rates and identify potential sources of insurance fraud

*Strategic Investment for a Private Hospital Client*

- Extracted EMR data and designed machine learning algorithms (i.e. random forests, SVMs) in Python that leveraged various patient risk KPIs in order to provide bespoke patient readmission rate predictions

**Healthcare Startup for Chronic Wounds**

Baltimore, MD

*Mobile Software Engineering Intern*

Jun. 2014—Jul. 2014

*Android Prototype Development*

- Designed and developed an Android app for a telemedicine startup that would take pictures of chronic wounds in patients and relay these images to remotely located doctors for analysis and initial diagnosis

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## SKILLS

- Product Design and Roadmapping, UI/UX, Cross-Functional Collaboration, User Research, Tableau
- Java, JavaScript, HTML5, CSS3, AngularJS, SQL, Python, AWS, C/C++, R, Hadoop/HDFS, Spark, Linux