

Liuxizi (John) Xu

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OBJECTIVE: *Seek for a full time position in the field of software development/analysis that can further develop my technical problem solving and analytical skills.*

EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2012 – May 2016 (Expected)

Candidate for Bachelor of Science in Computer Engineering

GPA: 3.90

Georgia Tech Lorraine, Metz, France

May 2013 – August 2013

Study Abroad Program for Summer 2013

Jefferson County International Baccalaureate School, Irondale, AL

August 2008 – May 2012

International Baccalaureate Diploma Recipient

EXPERIENCE

Capital One Financial Corporation, Richmond, VA

Technology Development Intern

June 2015 – August 2015

- Form a Scrum team with fellow interns to work on anti-money laundering initiative via Big Data technologies. Build a detection application using Apache Hive and Spark to check millions of records with 50% less processing time than current implementation.
- Develop a monitoring system prototype for Capital One's mobile applications using Node.js, React.js, and MongoDB. The prototype collects performance information from existing monitoring software through APIs and displays intuitive analysis result via Web interface.

Georgia Institute of Technology, Atlanta, GA

Vertically Integrated Projects (VIP)

August 2015 - Present

- Explore the uses of Big Data in Learning analytics to enhance Massive Online Open Courses (MOOCs) education. Georgia Tech's MOOCs serve as data sources and as targets for analysis.

Opportunity Research Scholar (ORS)

September 2013 – April 2015

- As a part of the EMC² research group, focus on discovering the electromagnetic information leakages that info-intruders can use to gain access to protected computer data. Currently cell phones are used for testing information leakages.
- Worked in Intelligent Vision and Automation lab on research project using Xbox 360 Kinect and C++ program to allow a Pioneer 3-AY Mobile robot to track a user in a dynamic environment while avoiding barriers on the Path.

Corning Incorporated, Corning, NY

Software Engineer Intern

May 2014 – August 2014

- Performed audits and test of source code control tools for manufacture and internal development usage. Recommend a new software with explicit documentation that would save 20% of company's spending in source code control and data backup.
- Improved and debugged existing custom applications for measurement and inspection equipment using C# and XML.
- Tested SPC software and PLC programs used in manufacturing plants. Identify problems that can cause production failure.

SKILLS/INTERESTS

Programming: Python, JavaScript, Java, C/C++, Assembly, Matlab, HTML, CSS, Swift

Software Skills: MEAN Stack, OOP, MVC, RESTful API, Big Data framework (Spark, Hive, Pig, Storm, Kafka)

Hardware Skills: Computer Network, Computer Architecture, Embedded System, Digital Signal Processing, Circuit Analysis

Languages: Chinese (fluent), English (fluent), French (basic)

Communication: Git, Scrum, Technical writing, Presentation, Microsoft Office Suite

Volunteerism: Alternative Service Break, Georgia FIRST LEGO League, Tech Beautification Day

ACTIVITIES/INVOLVMENTS

Student Center Program Council

September 2012 – Present

Member of Homecoming committee, organize spirited competition and events that lead up to the Homecoming game.

Events include but not limited to Mr. and Ms. Georgia Tech, Photo Challenge, Homecoming Concert, and Talent Show.

Georgia Tech Athletic Association

August 2015 – Present

Peer tutor, host one on one tutoring sessions with Georgia Tech student athletes to help them preview/review core course materials. Core courses range from math and science to economics.

GT 1000 Team Leader

January 2014 – Present

Working with freshmen in GT 1000 (freshman orientation class) to help develop and facilitate class activities and discussions including giving presentations on various topics and assisted instructor with curriculum.