

***TYRONE WELLS, JR.***

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Graduate Student, Georgia Institute of Technology

301 10<sup>th</sup> Street NW, GLC 123A

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## ***EDUCATION***

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### **Columbus State University, (2004-2008)**

B.S. Chemistry, major GPA 3.50, overall 3.52

### **Georgia Institute of Technology, (2009)**

Ph.D. Biochemistry, expected graduation 2014

## ***RESEARCH PROJECTS***

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### **Synthesis of New Materials via Polymerization of Condensed Tannins**

Designed a novel approach to polymerize flavonoids extracted from crude plant samples in order to synthesize and then characterize new tannin-based macromolecules. Work performed under Dr. Paul Simon, Columbus State University, 2007-2008.

### **Synthesis of Zeolite-LTA Membranes for Ethanol-Water Extraction**

Tested and established various methods to engineer a series of zeolite membranes for use in ethanol extraction from aqueous mediums. Taught and trained the staff of The Gwinnett School of Mathematics, Science, and Technology over procedures used to create pure and polymer zeolite membranes. Worked performed under Dr. Sankar Nair, Georgia Institute of Technology, 2008.

## ***TECHNICAL EMPLOYMENT***

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### **Technical Support Representative (C.I.N.S.), (2005-2008)**

- Trained students and alumni of Columbus State University to efficiently utilize a variety of software and equipment
- Managed and maintained diligent records of equipment and inventory
- Customer service representative

## ***SKILLS***

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Certifications in Microsoft Office (2003 and 2007), HTML, JavaScript, ActionScript, and Flash (animation). Highly capable public speaker with talks given at Georgia Institute of Technology, Columbus State University and National SERMAC's conventions sponsored by the American Chemical Society. Over 850 hours of accumulated scientific in-laboratory research experience.

## ***RANDOM ACTS OF KINDNESS AND LEADERSHIP ROLES***

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### **Campus Nerds (student body organization), (2004-2008)**

Diligently demonstrated multitasking abilities under deadlines to provide scheduled speakers for events, Facilitated communication between faculty and students, Provided programming and animating talents to provide additional advertisement for the student body group