

Andrew K. Huynh



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EDUCATION

Georgia Institute of Technology – Atlanta, GA

May 2018

Chemical and Biomolecular Engineering, Bachelor of Science – Summa Cum Laude

PROFESSIONAL EXPERIENCE

Merck & Co. – West Point, PA

July 2018 - Present

Associate Specialist, Engineering

- Provided technical support for Barrier Operations Formulation and Filling department of liquid vaccine lines
- Collaborated with Operations and Quality personnel to proactively respond to deviations on the shop floor
- Reviewed, updated, and revised standard operating procedures (SOPs) and batch records

Merck & Co. – West Point, PA

May 2017 - December 2017

Vaccine Manufacturing Operations Intern

- Standardized Tier meetings across three processing areas to improve communication among management
- Authored SOPs, guidelines, and training plans to increase cGMP adherence and Right-First-Time for Biotechnicians
- Created analytical tools to expedite verification of parameters, calculations, and errors during Batch Record Review
- Supported requalification for operational compliance of Varicella bulk manufacturing following a global cyber attack

Merck & Co. – Boston, MA

May 2016 - August 2016

Discovery Pharmaceutical Science Intern

- Optimized the process design for the generation of amorphous dispersions by reducing processing length by 66%
- Executed formulation development based on a working knowledge of physicochemical drug properties
- Developed small-scale *in vitro* and *in vivo* testing to lead and make recommendations for furthering projects

Georgia-Pacific LLC – Decatur, GA

January 2016 - May 2016

Quality Control Intern

- Designed a testing protocols and programs for assessing slurry quality to allow for proper line adjustments
- Performed data analysis to achieve most effective implementation strategy for a new foaming agent
- Implemented a Quality Specifications spreadsheet to expedite wallboard product assessments in plants nationwide

DuPont Protection Technologies – Richmond, VA

January 2015 - May 2015

Manufacturing Technology Engineering Intern

- Investigated improvements pertaining to the scale-up of the Nomex® bicomponent spinning process
- Coordinated experimental spin cell tests while controlling the DCS and working closely with operations
- Completed vital projects including improvement of process flushing system to decrease down time by 50%

LEADERSHIP AND INVOLVEMENT

Georgia Tech Chem-E-Car: Co-President

August 2014 – May 2017

- Arranged lab sessions through assigning tasks to group members and ensuring team goals were met on time
- Assisted with the composition of an in-depth engineering document while handling other administrative requirements

Vietnamese Student Association: Secretary

January 2016 – May 2017

- Managed the organizations' membership and communicated with Event Coordinators
- Recorded and maintained minutes for VSA board meetings and disseminated key points to the general body

GT1000 Team Leader

August 2016 – December 2016

- Led 30 freshmen through in-class activities and projects to facilitate transition into college
- Presented information and fielded questions about Tech traditions, majors, and involvement opportunities

Georgia Tech Energy Club: Operations Division

August 2014 – December 2016

- Organized weekly "Energy Chats" to engage members in energy-related discussions with local professionals
- Assisted with the management of expenditure, fundraising for outreach activities, and membership tracking

SKILLS

Software

ASPEN, AutoCAD, ChemDraw, DeltaV, JMP, LIMS, MES, Minitab, OriginLab, Pipeline Pilot SAP, SolidWorks

Languages

MATLAB, Python, R, VBA, JavaScript, HTML, L^AT_EX