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Current address: 124 North 1st Street Apt. B, Oskaloosa, IA 52577

Permanent address: 6 Dewberry Court, Medford, NJ 08055

OBJECTIVE Obtain a position within Quality Assurance, Manufacturing, or Operations that encompasses techniques, skills, and instrumentation learned through course work, undergraduate research, and career experience

WORK EXPERIENCE **Quality Management Chemist**
Acidulants Laboratory, Cargill Corn Milling – Eddyville, IA, August 2012 – Present

- Performed in-process quality testing during various stages of Citric Acid fermentation and Glucosamine production in large-scale, industrial plants
- Interpreted and reported data to technicians to determine problems and procedures to resolve issues in a team setting
- Responsible for ensuring quality of food grade and pharmaceutical grade final product and releasing trucks to be delivered to customers
- Studied HACCP, Food Safety, OSHA, and GMP programs
- Standardized and maintained multiple laboratory instruments

RESEARCH EXPERIENCE **Undergraduate Research**
Genetics Department, Life Sciences I, Virginia Tech, January 2012– June 2012

- Researched how selective breeding has created genetic bottlenecks
- Analyzed published papers and determined how genotype-phenotype linkage studies are used to locate, identify, and correlate the genetic code responsible for a specific trait
- Determined that a correlation exists in the genomic region in Brachycephalic dogs and the tendency of such breeds to develop brain cancer

EDUCATION Bachelor's of Science in Biochemistry, May 2012
Minor in Chemistry
Virginia Polytechnic Institute & State University, Blacksburg, Virginia

LANGUAGES Fluent in German and English

LABORATORY SKILLS Spectroscopy
Chromatography
Quality Control Methods

Standardizing Analytical Equipment
Instrument Maintenance
Data Entry and Document Review

LABORATORY INSTRUMENTS HPLC
Dionex ICS
Agilent GC-MS
Antek Nitrogen Analyzer
ICP-AES

Shimadzu TOC Analyzer
Karl Fischer Moisture Analyzer
Mettler-Toledo Auto-titration
Spectrophotometers
pH Meters

COMPUTER SKILLS Proficiency in Microsoft Office
Chromeleon7
Spectro Smart Analyzer

PQDP Database
LabX Titration Software
JMP Statistical Software

TRAINING AND CERTIFICATION Emergency Responder, First Aid/CPR
Food Safety

5S Laboratory Auditing
Elevated Work, Scaffolding