

KAITLYN DICESARE

Mesa, AZ | 978-302-5598 | kaitlyndicesare@gmail.com | [Linkedin](#) | [GitHub Portfolio](#) | [Professional Website](#)

SUMMARY

A current Computer Science bachelor's student seeking a technology role, bringing a strong background in STEM as a Chemist at a leading company (FUJIFILM). Proficient in various applications and tools, including JetBrains PyCharm (Python), JetBrains IntelliJ IDEA (Java), Microsoft Visual Studio (C++), and MySQL.

EDUCATION

Bachelor of Science, Computer Science, Information Security Concentration, Mathematics Minor | Southern New Hampshire University

HONORS: 4.0/4.0 GPA

Expected 2026

COURSEWORK: Foundation in Application Design (Java), Programming Languages (C++), Python, SQL

PROGRAM SKILLSETS

- Developing a comprehensive understanding of computer programming languages: Python, Java, C++ and SQL.
- Completed eight class coding projects that showcased mastery across a diverse range of programming concepts and skills.
- Knowledgeable in object-oriented programming language concepts.
- Mastered time management skills around project-based courses.

SKILLS

INTEGRATED DEVELOPMENT ENVIRONMENTS (IDEs): JetBrains PyCharm (Python), JetBrains IntelliJ IDEA (Java), Microsoft Visual Basic (C++), Adobe Photoshop

WEB DEVELOPMENT LANGUAGES: HTML/CSS

LABORATORY AND OTHER SOFTWARE: LIMS, Chromeleon, SAP, Lotus Notes, Empower, Excel, Access

EXPERIENCE

FUJIFILM ELECTRONIC MATERIALS U.S.A., INC. | 2019 – Present

Mesa, AZ

FP/TFS Developmental Chemist II (FP R&D)

July 2023 – Present

- Self-learning Microsoft Access and developing a chemical and supply inventory database using Excel VBA
- Received mentorship from an expert formulation chemist while coordinating a commercial chemical development project for one of our biggest customers. Participated in customer presentations.
- Conducted SEM imaging with FEI Strata 400 and SEM/STEM/EDS imaging with Helios FX.
- Utilized AutoTEM for sample preparation and STEM analysis, streamlining the preparation process which resulted in a reduction in preparation time and an increase in throughput of STEM analysis.
- Managed the procurement of chemicals and lab supplies, ensuring optimal inventory levels and contributing to a reduction in supply costs.
- Implemented and oversaw weekly and monthly lab safety checks, leading to an improvement in safety compliance and reduction in lab-related incidents.

Chemist II (Quality Control)

May 2023 – July 2023

Chemist I (Quality Control)

October 2019 – May 2023

- Led the evening shift in partnership with the supervisor, delegating tasks to Chemists aligned with organizational objectives.
- Contributed to advanced quality control decision-making processes and troubleshooting of complex instrument issues.
- Trained peers in laboratory procedures and instrument handling, fostering team development and knowledge sharing.
- Conducted extensive quality control testing to support CMP and FP departments, ensuring product compliance.
- Led assay analysis on ICs, GCs, and LCs, preparing and setting up sample runs, leading to an improvement in testing throughput.
- Utilized Chromeleon for chromatography integration and analysis, contributing to an increase in data accuracy.
- Executed quantitative assay testing using autotitrators and particle size analyzers, optimizing testing precision and reliability.
- Managed data entry using a LIMS database, maintaining high levels of data integrity and supporting effective data analysis.

ADDITIONAL INFORMATION

Prior Education: University of Massachusetts Amherst – BS in Biochemistry and Molecular Biology; BS Psychology (Neuroscience)

LABORATORY INSTRUMENTATION: Helios 5 FX, FEI Strata 400, flashpoint testing, Woolam Ellipsometer, Filmetrics 4-point probe, Dionex ICS-2100, Dionex ICS-5000, Dionex ICS-6000, CARY 100 UV, Beckman DU-520 UV/Vis, Shimadzu UV-1601, HP 5890 GC, Shimadzu 2010 GC, Thermo Scientific Ultimate LC's, Mettler Toledo T90 DL70 DL77 and T7 autotitrators, Waters ACQUITY UPLC, Perkin Elmer FTIR, Brookfield Viscometer

Core Competencies: Analytical Chemistry | SEM/STEM Imaging | Laboratory Management | Data Analysis | Python Programming | Java Development | HTML/CSS | Cybersecurity Principles | Network Security | Cryptography | Data Privacy | Information Security Law | Cross-functional Collaboration | Problem Solving | Chemical Procurement | Safety Compliance | Quality Control Testing | Chromatography Integration | Chemical Analysis | Laboratory Instrumentation | Data Integrity | Software Development | Continuous Learning | Team Leadership | Project Coordination | Decision Making | Time Management | Adaptability | Attention to Detail | Communication Skills | Organizational Skills | Strategic Planning | Process Improvement | Instrument Calibration | Maintenance & Troubleshooting | Laboratory Safety | Reporting | Performance Optimization | Training & Development | SOP Adherence | Regulatory Compliance | Technical Support | Research & Development | Data Entry Automation | Programming | Coding | Computer Science | Cybersecurity | Information Security | Data Science | Engineer | Engineering | SAP | LIMS | Quality Control | Quality Assurance | Microsoft Access Excel Word | CompTIA | Security+ | A+ | Network+

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Dear Human Resources,

Thank you for taking the time to read my resume and cover letter. I am pursuing a career transition and believe my skills and experiences align well with the requirements of this role.

My current pursuit of a bachelor's degree in computer science, with a focus on information security and minor in mathematics, has equipped me with foundational knowledge in Python, Java, C++, SQL, HTML, and CSS. This academic journey, marked by a 4.0 GPA, reflects my commitment and ability to excel in a new field.

Even though I am still pursuing my degree, I have consistently proven myself to be a capable individual with a strong history of success across diverse challenges and disciplines.

I have an extensive background in chemistry and quality control, with advanced expertise in operating, troubleshooting, and repairing a wide variety of analytical instruments. This experience required me to think logically and analytically, skills that directly translate to the technical problem-solving needed in the tech field. Additionally, my proficiency in data analysis, diligence, and ability to diagnose complex systems align seamlessly with roles that demand precision and technical expertise.

In my role as a Developmental Chemist II at Fujifilm, I have had the opportunity to develop a diverse skill set that I am excited to bring to the tech industry. Working in a dynamic R&D environment, I've honed my ability to manage complex projects, analyze data, and optimize processes. For example, I co-led a commercial formulation project where I applied project management principles, collaborated cross-functionally, and delivered customer presentations—experiences that mirror the demands of technical project management. Additionally, I've developed technical expertise through advanced testing methods like SEM and STEM, as well as creating a basic Access database, and a chemical inventory system with VBA, to streamline inventory control and budget planning. My passion for efficiency led me to implement a 5S program in the lab, improving productivity and resource management—skills that translate seamlessly into process optimization roles in tech. Beyond technical contributions, I've authored SOPs to standardize workflows and played an active role in enhancing safety through risk assessments and MOC projects. Together, these experiences have equipped me with the analytical mindset, technical proficiency, and critical thinking skills essential for success in the tech industry.

In summary, the tasks outlined above demonstrate my adaptability, tenacity, and drive to succeed. I am initiative-taking, persistent, and an adaptive person with a growing proficiency in programming languages and software development tools.

In my previous roles, I have always been enthusiastic about applying my skills to improve processes and outcomes. I am excited about the prospect of bringing this passion and my unique perspective to your company.

Thank you for considering my application and I look forward to speaking with you soon.

Sincerely,

Kaitlyn DiCesare