Lucas (Luke) Wald

Former Senior Manufacturing Technology Engineer transitioned into a Software Engineer role after completing the Full Stack Web Development Certificate at the University of Minnesota. Over 9 years of experience in critical thinking, data analysis, communication, leadership, creativity, and customer service.

EDUCATION

Full Stack Web Development Certificate   Sept 2023 - Dec 2023
University of Minnesota
- Hands-On learning in a fast paced academic environment.
- Emphasis on Full Stack Web Development
- Collaborated effectively in team settings, contributing to project planning, problem solving, and coding.
- As project manager for a group project, I successfully maintained clear communication and coordinated team efforts to deliver a successful web application in a short time frame

Bachelor of Arts, Biology   2010 - 2014
St. John's University, Collegeville MN
Honors: Presidential Scholarship - Eldon Siehl Scholarship
Study Abroad: Amazon Rainforest and Galapagos Islands, July 2012

WORK EXPERIENCE

Sr Manufacturing Technology Engineer   Aug 2015 - June 2023
3M, Maplewood MN
Other Titles: Analytical Chemist 2015-17 | Advanced Chemist 2017-20
- Self taught myself FTIR analysis, became a company expert in that field.
- Awards: 3P Exceptional Award 2017, 3P Fundamental Award 2018, Quality Achievement Award 2018
- Solved problems that could have affected over $1 billion in SVOP.
- Applied multiple analytical techniques to troubleshoot raw material, film, and adhesive issues that helped drive product and process improvements for a wide variety of 3M products and global plant locations.
- Job required balancing multiple objectives and projects, analyzing data, documenting, tracking, and communicating strategies to multi-functional business, technical, and manufacturing teams
- Resolved problems related to: research & development, product development, competitive analysis, process improvement, raw material second source qualifications, and customer complaints
- Discovered a raw material issue that had gone unsolved for years. Developed and implemented a quality control test at the supplier location.
- Interviewed and mentored summer interns who would later be hired.

Analytical Chemist   June 2014 - Aug 2015
Volt Workforce Solutions - Contracted 3M, Maplewood MN
- Method development for chemical analysis and material characterization of 3M products
- Quality control analysis through liquid and headspace gas chromatography

CONTACT

- St. Paul, MN (Open to Remote)
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- Linkedin: /lucas-wald
- GitHub: /wald14

TECH STACK

- React / Vite
- MongoDB / Mongoose
- MySQL / Sequelize
- JavaScript / JQuery
- CSS / Bootstrap / Chakra-Ui
- HTML
- Node
- Express
- GitHub
- REST API
- Handlebars

PROJECTS

Portfolio: luke-wald-portfolio.netlify.app

- **Sports Team Stat Web App** (Passion / Individual Project)
  - Role: Full Stack Web Developer
  - MERN Web Application
  - github.com/Wald14/rubber-puckies-web-app

- **Giftify** (Group Project)
  - Role: Full Stack Web Developer
  - React / MongoDB
  - github.com/GrantMitchell24/gift-guide

- **Armory** (Group Project)
  - Role: Project manager & Full Stack Web Developer
  - JavaScript / MySQL
  - github.com/mollydotwhat/mvc-armory

- **Cocktail Generator** (Group Project)
  - Role: Front End Developer
  - HTML / CSS / JavaScript
  - github.com/Matt0Stark/cocktail_generator