Lucas (Luke) Wald

Ex-Manufacturing Technology Engineer transitioning into a Software Engineer role after completing the University of Minnesota Coding Bootcamp. 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 Coding Bootcamp, in partnership with EdX

- 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

- 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 requires balancing multiple objectives and projects, analyzing data, documenting, tracking, and communicating strategies to multi-functional business, technical, and manufacturing teams
- Research & development, product development, competitive analysis, process improvement, raw material second source qualifications, and customer complaints
- Technical Skills: FTIR, Headspace Gas Chromatography (HS-GC), Microscopy, Rheology, DSC, and TGA
- Software: Excel, OMNIC, KnowItAll, Chemstation, and TRIOS
- 3P Exceptional Award 2017, 3P Fundamental Award 2018, Quality Achievement Award 2018
- Mentor summer interns, serve on technical committees, and participate in Tech Forum events.

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)
- Phone: +1-651-357-0781
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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 Website** (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