

# Sofia Erech Hanapin

San Jose, CA | sofiahanapin@gmail.com

LinkedIn: Sofia Erech Hanapin | www.linkedin.com/in/sofia-erech-h-07a706113

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## Education

2022 - Present

**UC Berkeley Coding Bootcamp**

2016 - 2021

**Andrews University**

Bachelor of Science in Chemistry, minor in French | J.N Andrews Honors Program

*Berrien Springs, MI, USA*

2020

**Campus Adventiste du Saleve**

*Collonges-sous-Salève, France*

## Work Experience

2021-Present

Engineer Scientist I, Quality Control

- Analyzed and optimized raw materials and processed production lots according to QC protocols, using various instruments like Hitachi, Beckman, and Abbott.
- Documented and completed batch records using cGMPs as well as managed lot history data for discrepancies.
- Initiated OOS and Variances on assays that called for one.

Organic Chemistry Head Lab and Teacher's Assistant

- Evaluated and graded papers for 80+ Organic Chemistry college students and 25+ 10th grade high schoolers.
- Restocked reagents and handling equipment in both lab and stock room, as well as maintained lab cleanliness.

Apple Valley Natural Foods Cashier

- Operated POS system 3-5 hours/day and memorized 40+ product codes in each department to ensure efficiency and product accounting accuracy.
- Collaborated with at least 6 team members and provided personalized recommendations to 50-200 clients/day achieving 96% customer satisfaction.

2018 - 2019

Organic Chemistry Lab /Teacher's Assistant

- Facilitated class and lab work of 80+ students and graders who handled ungraded papers.
- Trained and taught students to execute procedures while maintaining safety in the lab.
- Instructed students on using IR Spectrophotometer and Rotary Evaporator among other organic chemistry equipment.

2018

STEM Communications Specialist

- Constituted posters, flyers, emails, letters, and phone calls to potential and current STEM sponsors, community members, and campus students for STEM events.
- Photographed and videographed STEM events to create compilations used to maintain a social media presence (Facebook and Instagram).

2014 - 2016

Library Assistant

- Shelled and organized over 300 books and magazines daily to maintain the library's overall cleanliness.
- Read to 40 elementary students per week and aided in their development of accurate reading and comprehension skills.

## Research Experience

2019-2021	Silver nanoparticle synthesis by microwave and non-microwave methods using hydrogen gas as a reducing agent
2018	Determination of the amount of powder Kratom in a pill
2017	Cinnamaldehyde synthesis using a Grignard reaction

## Instrumentation and Languages

- IR, FTIR, UV-Vis, GC-MS, GC-MS, GC-MS-TOF, ICP- OES, NMR, HPLC, pH meter
- ChemDraw, MarvinSketch; Microsoft Office (Word, Excel, PowerPoint)
- English, Tagalog, French; Python, C++, HTML, CSS

## Internship

<u>2020</u>	<u>Stage de langue IFLE</u>
<ul style="list-style-type: none"><li>• Aided in-class activities for 6 hours/week while reinforcing safety for 23 elementary students.</li><li>• Supported students during in-class work in French, mostly in the subjects of Math, Art, Geography, and English.</li></ul>	