

CV - Itamar Wallwater

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## **Itamar Wallwater**

Date of birth: 10/8/1990

Country of birth: Israel

Address: Israel, Tel Aviv, Uriel Acosuta 19

Family Status: Single

### **Education**

**2012-2016:** Technion - Israel Institute of Technology, Faculty of Science and Materials Engineering, Bachelor of Materials Engineering Chemistry.

**IBM Data Science Specialization** by IBM on Coursera. Certificate earned at January 20, 2020. Includes subjects like: Data Science Methodology, Clustering and Recommender systems.

### **Work experience**

07/2017-10/2019 - Storedot, Research and Development, Production line manager.

During my work as a production line manager I was:

- Responsible for the planning and execution of the team's battery production line, from half cells up to 1Ah batteries. The day to day works revolves around follow through the daily battery preparation up to the formation process and finale electrochemical testing.
- Determining and maintaining the QC/QA parameters for the production process.
- Working with the research team in order to accurately execute any demand for batteries needed for experiment

07/2016-07/2017 - Storedot, Research and Development, Systems Engineer.

During my work as a systems engineer I:

- Worked on research and development of innovative battery charging methods.
- Learned .
- Engaged in the study of failure of batteries, while demonstrating creative thinking outside the box.

07/2015 – 01/2016 - Israel Institute of Metals, Corrosion and Lasers Department, Research Assistant.

01/2014 – 07/2015 - Technion - Israel Institute of Technology, Faculty of Science and Materials Engineering, Corrosion and Electrochemistry Laboratory, Research Assistant.

While working as research assistant I:

- Worked on various projects in laboratories, including works on a patent.

- Partnered in publishing articles that have been published in scientific journals.
- Had training and experience in working on the following devices:  
X-ray diffractometer (XRD), Scanning electron microscope (SEM) + Energy-dispersive X-ray spectroscopy (EDS) and Atomic Force Microscope (AFM)
- Showed a quick reception and a high work ethic.

## **Publications**

### **Peer-reviewed journal articles**

- Gelman, D., Shvartsev, B., Wallwater, I., Kozokaro, S., Fidelsky, V., Sagy, A. & Ein-Eli, Y. (2017). An aluminum–ionic liquid interface sustaining a durable Al-air battery. *Journal of Power Sources*, 364, 110-120.

### **Contributions to peer-reviewed journals**

- Gelman, D., Shvartsev, B., & Ein-Eli, Y. (2014). Aluminum–air battery based on an ionic liquid electrolyte. *Journal of Materials Chemistry A*, 2(47), 20237-20242.

## **Computers**

- Computer knowledge in organization (experience and knowledge in the office, outlook, etc.).
- Advance knowledge in excel programming
- Has experience in Python (pandas/scipy/sklearn/seaborn), SQL and R.
- Has experience working with the Technion's octopus system.

## **Languages**

Hebrew: mother tongue

English: mother tongue level

German: basic level

Recommendations will be given upon request.