

Shahaf Dan

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EDUCATION & SKILLS

Boston University, College of Arts and Science | Boston, MA

- BA in Computer Science - December 2021

3.67 / 4.00 | BA / MS Expected Graduation December 2022

- MS in Computer Science - December 2022

Las Positas College (Dean's List) | Livermore, CA

- Associate in Sciences in **Computer Science**
- Associate in Sciences in **Physics**
- Certificate of Achievement in **Computer Programming**

3.83 / 4.00 | June 2018 - May 2020

- Associate in Liberal Arts and Science in **Computer Studies**
- Associate in Liberal Arts and Science in **Mathematics and Sciences**
- **Honors Scholar** - conducted 6 faculty-approved research projects

Relevant Coursework: Data Structures, Database Programming, Computer Architecture, Discrete Math Structures, Computational Probability & Statistical Modeling Functional Programming Languages, Algorithmic Analysis, Foundation of Data Science, Machine Learning

Programming Skills: HTML, CSS, JavaScript (+libraries), jQuery, AJAX, React.js, Node.js, PHP, SQL (MySQL, JDBC, PDO, mysqli, Hive, Workbench, etc.), Data Visualization, Data Science & Analysis, Python (Selenium, Pandas, NumPy, PyTorch, etc.), OCaml, Java, JSPs, C++, Assembly, Linux, UNIX, Ubuntu, AppleScripts, Git.

WORK EXPERIENCE

Spark! at Boston University | Boston, MA

May 2021 - Present

Data Science Intern

- Working on the "City of Boston" team project as part of the data science track.
- Mapping residential concentration and economic development activity among certain populations in the city of Boston, using census data and business license databases and by applying machine learning algorithms.

Prody | Boston, MA

January 2021 - May 2021

Project Manager, Software Engineer Intern

- Managed a 7 people team of students from Boston University to develop a survey creation feature for the company's software
- Developed a specified data model to fit the company's business rules and accommodate client needs using MySQL.
- Used React.js and Node.js to develop a full-stack user-friendly website survey feature.

Spark! at Boston University | Boston, MA

December 2020 - May 2021

Full Stack Software Developer Intern

- Developed a full-stack Web App for the automation of public information requests on police field incident reports and of the appeal process for denials of public records using React.js and Node.js along with a centralized local database.
- Designed user-flow charts and diagrams to present user-end possible logistical routes of using the software.

FindingGenius | San Ramon, CA

May 2019 - September 2019

Database Administrator and Back-End Software Developer Intern

- Developed Backend Java-based data-centric algorithms with the JDBC protocol to ensure smooth data integration from the company's server's databases to the users using SQL and JSPs.
- Developed unique relational data models to ensure effective storing of information and data in the server-end using MySQL.

Amber System Technologies | Pleasanton, CA

September 2018 - April 2019

Full Stack Web Developer Intern

- Integrated a WebApp with various POS system databases so clients' (businesses) customers can make online purchases.
- Developed 50+ client websites based on client-specified needs using HTML, CSS, JS, AJAX, jQuery, and various libraries.
- Designed PHP data-query scripts using the PDO protocol to manipulate and analyze mass data.

LEADERSHIP & EXTRACURRICULARS

[BU Student Government](#) | *Boston, MA*

May 2021 - May 2022

Financial VP

- Constructed the 2021 - 2022 annual Student Government budget and managed preallocation per each committee and event.
- Handled any transaction and purchases done throughout the student government account.
- Designed spreadsheets and JavaScript automation scripts for numerical budget data analysis and graphical representation.

[TAMID Consulting Group](#) | *Boston, MA*

May 2021 - December 2021

Director of Tech Track

- Led the technology-track composed of 20 people in 4 teams team and served as the point of contact of all 4 collaborative per-project start-up companies.
- Prepared computer science education materials such as reference guides, slide shows, and coding exercises; Taught to the tech-track necessary tech skills such as Git, DB programming (SQL), python DS libraries, and full stack app development.

Additional Extracurricular Activity at Boston University | *Boston, MA*

August 2020 - Present

- Myles RHC, President (Fall 2020) - Led the Residence Hall Council to create 20+ events in the Myles Standish res. hall.
- FinTech Club, Director of Quant (Spring 2021) - Created weekly lectures to teach 55+ members about Quant and FinTech related technologies including python libraries, web-scraping, SQL, dynamic data analysis, and more.
- TAMID Consulting Group, Tech Track project Manager (Spring 2021) - Managed interactions between the company (Prody) and the 7 person student developers team; Led the team in developing a full-stack survey-creation feature to the company's website using React.js and Node.js.

[Las Positas College Student Government](#) | *Livermore, CA*

November 2018 - May 2020

Director of Events - Executive Board Member

- Elected member of the Student Government Executive Board of 8,500+ students with 79% of the votes.
- Led the events committee of 17 students to create 22 events on campus, resulting in a 300% increase in student interest.
- Represented the student body in the [American Student Association of Community Colleges](#) conference both in 2019 and 2020; Met with federal legislators' offices to discuss problems and issues brought up by community college students.

[Alpha Gamma Sigma Honors Society](#) at Las Positas College | *Livermore, CA*

November 2018 - May 2020

Sigma Theta Chapter President

- Led a 100-person chapter of a California CCs-wide in creating 15+ new projects, events, and fundraisers through which the chapter raised over \$10,000 for various community organizations.
- Assisted over 50 members to develop new leadership, community service, and academic excellence habits and skills.
- Won the most California-wide prestigious Mantovani excellence award.

Additional Extracurricular Activity at Las Positas College | *Livermore, CA*

October 2018 - May 2020

- Chess Club, Founder and President - Chaired the weekly club meetings, and prepared weekly chess strategies presentations for the club; Led the 25+ person team for numerous victories against other schools' chess clubs.
- Computer Science Club, Vice President - Created weekly lectures to teach 30+ members about various relevant CS topics.
- Math Club - AMATYC Scholar, Math Student Over-excellence award.