

Matt Linker

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EDUCATION

Stanford University

Bachelor of Science: Computer Science

Relevant Coursework: Computer Organization and Systems, Mathematical Foundations of Computing, Natural Language Understanding, Natural Language Processing with Deep Learning, Computer Vision, Economic Analysis

Stanford, CA

Class of 2019

Lakeside School

Three-year varsity athlete, lightweight men's rowing (crew), Eagle Scout

Seattle, WA

Class of 2015

WORK EXPERIENCE

Morgan Stanley – Institutional Equity Division

Analyst

New York, NY

June 2018-August 2018, July 2019-Present

Voxa Co

Software Engineering Intern

Seattle, WA

June 2016-September 2016, June 2017-August 2017

- Wrote image-stitching based calibration algorithm for electron microscope stage. Adapted and improved algorithm to detect and correct stitching errors without human input, resulting in 50-100x increase in scan area visible without human intervention, with corresponding 95+% decrease in human workload.
- Designed pipeline for novel reconstruction processes on SEM. Created lowest-cost 3D SEM images ever made.
- All work incorporated into firm's flagship product used by major research centers worldwide. Improved scanning correction and 3D imaging algorithms may be included in next round of IP filings.

BAM.Money

Software/Product Developer

Stamford, CT (remote)

March 2017-July 2019

- Developed financial-technology site to PCI-DSS standards while maintaining intuitive UI.
- Technical advisor to CEO with responsibility for analysis and delegation of development tasks to appropriate teams.

ACTIVITIES

Hawaii Pacific Model United Nations

Secretary-General

Honolulu, HI

March 2018-November 2019

- Selected by large charitable trust to plan, organize, and execute three-day educational conference for roughly 300 high school students. Led international search for top staff members, managed 18 direct reports with additional volunteers and on-site partners during event, and coordinated opening speech by UN Policy Advisor.

Society for International Affairs at Stanford

Board of Directors

Stanford, CA

April 2017-June 2019

- Personally responsible for budgeting, transportation, accommodations, registration, and preparation for Stanford's nationally and internationally competitive Model United Nations team.
- Managed six-figure organizational balance sheet and \$40,000+ annual budget. Eliminated deficit and individually streamlined conference booking process/policies to reduce average per-delegate cost by 15%.
- Pursued partnerships to attract prominent speakers, including former Secretary of State and former National Security Advisor.

SELECTED PROJECTS

Helping Hands: Teaching ASL to Mobile Users through Computer Vision

April 2019-June 2019

- Recognized lack of immediate feedback available to ASL learners without expensive tutoring through detailed need-finding
- Created React Native-based mobile app with ResNet 18 backend to teach ASL with near-instant feedback on all user-generated signs. Winner of Facebook Honorable Mention award at 2019 Stanford Spring Software Fair.

Megatron: Self-Attended Residual BiDAF-based Question Answering

February 2019-March 2019

- Designed a novel architecture for a reading comprehension/question-answering model. Achieved matching scores 12.5% higher than previously attained. Model placed in top 15 in a Stanford AI-based Question-Answering competition with over 400 students.

SKILLS & INTERESTS

- **Technical Skills:** Proficiency in Microsoft Office, Python, Java, C++, C, JavaScript, Node.js
- **Language:** English (native), Spanish (limited working proficiency)
- **Interests:** scuba diving, college football, travel hacking, geopolitics