

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.
- Work incorporated into firm's flagship product and sent to International Space Station aboard Cygnus NG-13. 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