

# Anh K. Nguyen

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EDUCATION	<b>California State Polytechnic University - Pomona</b> <i>B.S. Computer Science GPA: 3.2</i>	May, 2020
EXPERIENCE	<b>Intel, Folsom, CA</b> <i>Software Developer Intern</i> November 2019 – May 2020 <ul style="list-style-type: none"><li>Built an interactive web app using Flask and Bootstrap that showcases performance advantages of Intel Optane Memory. Resulted in a partnership with a Major Company to model their distributed storage system with the optimal configuration of Intel SSD's.</li><li>Added a feature to an internal Intel web app that allows users to download graphs by rasterizing the SVG's generated by D3.js to .PNG format. Implemented in Angular.js.</li><li>Developed a plugin to automatically provision any Python version and their necessary dependencies onto air-gapped servers.</li><li>Implemented Angular data bindings to update title pages dynamically based on page content and a feature to hide and show columns of a grid, greatly improving its usability.</li></ul> <i>Automation Engineering Intern</i> May 2019 – November 2019 <ul style="list-style-type: none"><li>Created a development plan for employing machine learning to detect faulty SSD firmware using TensorFlow, MongoDB, and Docker. Architected database schema that indexes SSD performance metrics.</li><li>Wrote a framework using Python that provisions and deploys Intel SSDs, saving over 25 employee-hours per week.</li><li>Resolved firmware issues and created unit tests to assess code base performance and validate components in software.</li></ul> <b>Printronic AutoID, Brea, CA</b> <i>Software Engineering Intern</i> February 2018 – August 2018 <ul style="list-style-type: none"><li>Designed and developed a metrics aggregator for thermal printers to quickly analyze performance fluctuations resulting from feature changes. Written in Perl.</li><li>Refactored schema of thermal output data for enhanced analysis and readability.</li></ul> <b>Cal Poly, Pomona, CA - Professor Hao Ji</b> <i>Machine Learning Research Intern</i> July 2017 – January 2018 <ul style="list-style-type: none"><li>Created a convolutional neural network to develop a real-time facial recognition system that detects expressions of drowsiness. Implemented using Python and TensorFlow.</li></ul>	
PROJECTS	<b>Project Manager of Machine Learning Team A.I. Project</b> <ul style="list-style-type: none"><li>Developed Speech-to-text (STT) and Text-to-speech (TTS) systems with TensorFlow to create a voice assistant that interprets verbal commands and performs various tasks. Used a LSTM (Long Short-Term Memory) RNN for SST/TTS and a low-pass filter to isolate speech from background noise.</li><li>Directed two orthogonally positioned teams to meet project goals. Tracked team activity utilizing Gantt charts and organized weekly standup meetings.</li></ul> <b>Event Calendar Web Service</b> <ul style="list-style-type: none"><li>Developed an event calendar web service with MEAN stack (MongoDB, Express, Angular JS and Node.js).</li></ul>	
SKILLS	<ul style="list-style-type: none"><li><i>Languages:</i> Python, Java, Go, C, C++, JavaScript, Perl, HTML and CSS</li><li><i>Technologies:</i> Linux, Bash, PostgreSQL, MySQL, MongoDB, Docker, Git, Gitlab, MakeFiles, Quickbuild CI/CD, Angular.js, Express, Node.js, Bootstrap</li></ul>	