

Anh K. Nguyen

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EDUCATION	California State Polytechnic University - Pomona <i>B.S. Computer Science</i>	May 2020 GPA: 3.2
EXPERIENCE	Intel, Folsom, CA <i>Software Developer Intern</i> November 2019 – May 2020 <ul style="list-style-type: none">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.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.Developed a plugin to automatically provision any Python version and their necessary dependencies onto air-gapped servers.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. <i>Automation Engineering Intern</i> May 2019 – November 2019 <ul style="list-style-type: none">Created a development plan for employing ML to detect faulty SSD firmware using Docker, TensorFlow, and MongoDB. Architected DB schema that indexes SSD performance metrics.Wrote a framework using Python that provisions and deploys Intel SSDs, saving over 25 employee-hours per week.Resolved firmware issues and created unit tests to assess code base performance and validate components in software. Printronic AutoID, Brea, CA <i>Software Engineering Intern</i> February 2018 – August 2018 <ul style="list-style-type: none">Designed and developed a metrics aggregator for thermal printers to quickly analyze performance fluctuations resulting from feature changes. Written in Perl.Refactored schema of thermal output data for enhanced analysis and readability. Cal Poly, Pomona, CA - Professor Hao Ji <i>Machine Learning Research Intern</i> July 2017 – January 2018 <ul style="list-style-type: none">Created a convolutional neural network to develop a real-time facial recognition system that detects expressions of drowsiness. Implemented using Python and TensorFlow.	
PROJECTS	Personal Projects anhknguyen.com <ul style="list-style-type: none">Developed a web app with Bootstrap to display and demo personal projects.Configured server to host multiple subdomains with NGINX server blocks to expose multiple Docker containers in the backend. Wildcard SSL certificate provisioned with Let's Encrypt. Mini Links tinylink.anhknguyen.dev <ul style="list-style-type: none">Developed a web application that shortens URL links. RESTful APIs written in Golang.Dockerized app and deployed onto the cloud with CI/CD pipelines to build and deploy. QR Code Generator qr.anhknguyen.dev <ul style="list-style-type: none">Created a Serverless web app using Cloudflare Workers to generate QR codes from URL links.RESTful APIs written in JavaScript with HTML. Set up alias to proxy_pass to Cloudflare domain. Morse Web Application morse.anhknguyen.dev <ul style="list-style-type: none">Built an interactive web app entirely in React for users to play with Morse code.Dockerized app, set up CI/CD to publish to DockerHub and deployed onto DigitalOcean. Eight Queens Board queens.anhknguyen.dev <ul style="list-style-type: none">Arranges eight queens so that no two queens threaten each other. Written in JavaScript, compiled using TypeScript, and implemented with backtracking.	
SKILLS	<ul style="list-style-type: none"><i>Languages:</i> Python, Java, Go, JavaScript, TypeScript, HTML and CSS, Perl<i>Frameworks & Libraries:</i> React, Bootstrap, Angular.js, Node.js, Express<i>Tools & Technologies:</i> MongoDB, PostgreSQL, MySQL, Postman, Gitlab, GitHub Actions<i>Dev. Environment:</i> Ubuntu, Docker, Digital Ocean, Git	