

Abraham Chen

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EXPERIENCE	Haas Automation Software Engineer 2	Oxnard, California <i>Aug 2021 – Present</i>
	<ul style="list-style-type: none">Streamlined developer workflows by automating a frequently requested manual task using scripting, resulting in significant time savings and increased efficiency for multiple team members.Drove agile project from requirements to shipment, iterating through implementation and optimizing messaging with end users and specialists to mitigate risk in adoption of new feature.Utilized Java design patterns to refactor and enhance existing systems and increase maintainability.	
	California State University, Northridge Logic Tutor	Northridge, California <i>Mar 2020 – Dec 2020</i>
	<ul style="list-style-type: none">Mentored students and fostered academic success through 100+ hours of weekly tutoring sessionsOrchestrated one on one discussions to facilitate learning through guided questions	
EDUCATION	California State University, Northridge B.S. in Computer Science with honors	Northridge, California <i>May 2021</i>
	Volunteering CSUN Intelligent Ground Vehicle <ul style="list-style-type: none">Volunteered in a lab under the advisement of Dr. Vidya Nandikolla for school robotics teamMet biweekly with navigation logic team to shift codebase from LabVIEW to Python	
SKILLS	Languages Scripting Tools	Java, Python, JavaScript, C++ Bash, Batch, PowerShell Perforce, Git, PuTTY, WinSCP, L ^A T _E X
PROJECTS	AbrahamChen.com <i>JavaScript, CSS3, HTML5, Firebase (RealtimeDB, Functions)</i> <ul style="list-style-type: none">Leveraged Firebase RealtimeDB and Functions for a serverless backend architecture using NoSQL databaseProvided a responsive website experience with a total view count of around 1,000 Project Rebound Meridian <i>PostgreSQL, Express, Node.js, React, AWS</i> <ul style="list-style-type: none">Created single page app with team of 5 for helping the administrators at Project Rebound in their mission to assist formerly incarcerated students pursue higher education and reduce recidivism.Designed a robust RESTful API using Express and the MVC model, documented by a 527 line readmeInstantiated login page consisting of a JWT based authentication scheme and a login endpoint verifying Argon2 password hashes powering a frontend interface using React.Improved usage of best practices through regular code reviews, introduced linter to reduce usage of anti-patterns, and added a CI workflow through GitHub Actions which was run 115 times during development.	
CERTIFICATES	Linux Foundation Training <ul style="list-style-type: none">LFD401: Developing Applications For LinuxLFD420: Linux Kernel Internals and DevelopmentLFD430: Developing Linux Device DriversLFD440: Linux Kernel Debugging and Security	
AWARDS	Best Google Cloud Platform Hack at SacHacks, Google Second Runner Up for Two Year Colleges at Southern California ICPC, ACM	<i>Nov 2018</i> <i>Nov 2018</i>