

<https://maxchakhmatov.com/>
<https://github.com/AG-Systems>

MAX CHAKHMATOV

(650)278-0915
maxchakhmatov@gmail.com
US Citizen

EDUCATION

Santa Cruz, CA	University of California, Santa Cruz	Grad June 2022
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- B.S Robotics Engineering (Electrical & Mechanical), junior.
- Minor in Computational Mathematics.

Coursework: Math: Calculus sequence, Linear algebra, Differential equations, Discrete math
Physics: Classical mechanics, Electricity / magnetism
Engineering: Statics, Circuits
Computer Science: Data structures (& algorithms), Computer architecture

EMPLOYMENT

Mechanical Engineer, Intern Redwood City, CA	Stealth Startup (Self-driving car)	Sept 2020 – Present
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- Just started
- Tools used: AutoCAD, Simulink, Excel, Eagle

Frontend Engineer, Intern Sunnyvale, CA	Walmart eCommerce	Jun 2020 – Aug 2020
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- Built mobile app using React Native (Typescript, and Redux) for internal testing.
- Built an UI component sharing library for other teams to use with JavaScript (with React).
- UI component sharing library is highly optimized for speed, and bundle size (30%+ more efficient).
- Fully automated testing with internal CI using Docker.

Physics TA Los Altos Hills, CA	Foothill College	Jul 2020 – Aug 2020
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- Class: Physics 4B (Electricity & Magnetism) by Professor Max Yuen.
- Hosted office hours to assist students with their homework.
- Used LaTeX to create a formula sheet for students.

Software Developer Burlingame, CA	QuesGen Systems	Oct 2019 – Jun 2020
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- Built internal full-fledged mobile app with Flutter, Redux, and Dart.
- Features proper full-fledged state management, authentication, security, and high performance.
- Wrote and performed unit testing, integration testing, and widget testing for mobile app.
- Fixed bugs, built features and improved the overall experience of QuesGen web dashboard in PHP.
- Integrated end to end testing with Selenium with Python and CircleCI (Continuous integration)
- Found and fixed security vulnerabilities.

Software Engineer, Intern San Francisco, CA	Fireflies.ai	Jan 2018 – Jul 2018
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- Completely redesigned dashboard with React, GraphQL, Apollo, Meteor.js and React-Router.
- Made changes including improving mobile responsiveness and faster load times.
- Wrote and performed unit testing, integration testing, and widget testing for mobile app.
- Created an internal tool with Python that parses emails from Gmail API and inserts into HubSpot db.
- Built a Chrome extension using Webpack, React, internal API, and Hubspot API.
- Chrome extension features automatic audio note-taking that automatically sends to Hubspot.

SKILLS, TOOLS, AND TECHNOLOGIES

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- Software Engineering: Ruby, Python, JavaScript, PHP, C, Assembly (RISC), C++
 - Engineering: AutoCAD, Excel, Latex, Mathematica, Simulink, Eagle