

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

MAX CHAKHMATOV

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US Citizen
San Francisco Bay Area

EDUCATION

Santa Cruz, CA	University of California, Santa Cruz	Grad June 2022
<ul style="list-style-type: none">• B.S. Robotics Engineering.• Minor in Computational Mathematics.• GPA: 3.4. <p>Clubs: Formula Slug (FSAE)</p> <ul style="list-style-type: none">• Project Management:<ul style="list-style-type: none">-Wrote documentation to assist new team members, and existing team members.-Overhauled entire internal wiki for organization.-In charge of onboarding new team members.• Electronics and Mechanical:<ul style="list-style-type: none">-Designed PCB for a brake light.-Assisted on the brakes system, and battery management system in SolidWorks. <p>Relevant Classes: Circuits, Logic Design, Signals, Statics, Mechanics, Physics, Dynamics.</p> <p>Planned Classes: Mechatronics, Feedback controls, Robotic Manipulation, Microcontrollers</p>		

EMPLOYMENT

Mechanical Engineer Intern Elko, NV	Barrick Gold Mining	Jun 2021 – Aug 2021
<ul style="list-style-type: none">• Used DEM-CFD techniques to simulate particle and air flow using Rocky DEM.• Performed analysis including but not limited to breakage, wear, thermal modeling, and particle energy.• Designed, modified, and tested models in SolidWorks CAD.• Used SolidWorks simulation to stress test the parts. Techniques include fatigue, thermal, and static.		
Frontend Engineer Intern Sunnyvale, CA	Walmart eCommerce	Jun 2020 – Aug 2020
<ul style="list-style-type: none">• Developed mobile app utilizing React Native (Typescript, and Redux) for internal testing. <i>This saved lots of time for senior engineers as it took off lots of load for testing for mobile.</i>• Built a UI component sharing library for other teams to use with JavaScript (with React). <i>UI component sharing library is highly optimized for speed, and bundle size (30%+ more efficient).</i>• Automated testing with internal CI using Docker.		
Software Developer Burlingame, CA	QuesGen Systems	Oct 2019 – Jun 2020
<ul style="list-style-type: none">• Constructed internal mobile app with Flutter, Redux, and Dart. <i>Features proper state management, authentication, security, and high performance.</i> <i>Wrote and performed unit testing, integration testing, and widget testing for mobile app.</i>• Fixed bugs, extended features, and improved overall experience of QuesGen web dashboard in PHP.		

SKILLS, TOOLS, AND TECHNOLOGIES

- Software Engineering: Ruby, Python, JavaScript (React, GraphQL), PHP, C, C++, Assembly (RISC)
- Engineering: AutoCAD, SolidWorks, Excel, Latex, Altium Designer, FPGA (Verilog), ROS, MATLAB
- Interests: Poker, Finance, Surfing, Snowboarding, Formula 1
- Languages: English, Russian