

MATTHEW L. BISQUE

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Engineer with extensive C++ programming experience. Well versed in desktop application development for Windows/Linux/Mac. I enjoy problem solving using root cause analysis.

EXPERIENCE

JUNE 1990 to MARCH 2024- ENGINEER, SOFTWARE BISQUE Co-author, created, maintained, improved, and supported TheSky Astronomy Software, a popular application used by amateur and professional astronomers around the world. Familiar with tracking stars, planets and satellites with ground-based telescopes.

EDUCATION

May 1990 – BACHELOR OF SCIENCE IN ENGINEERING – Colorado School of Mines, Golden Colorado.

Bachelor of Science in engineering with a specialty in mechanical engineering and a minor in electrical engineering, 1990. [College Honors](#).

SKILLS

- C++. Fluent in application architecture, component architecture, multi-threading, interface programming, networking, low-level sockets, bridge design pattern, signals/slots, reusable code, databases, making an application scriptable, API's, automation, doxygen source code documentation.
- Qt Development Framework for Cross-platform Applications. Windows, Linux, Mac, commercial builds with static linking.
- Git
- Application development life cycle, including continuous integration and continuous distribution.
- Application-level driver development and implementation of computer to hardware interfaces.
- Experience tracking stars, satellites.
- WordPress, WooCommerce, WooCommerce Subscriptions, bbpress, CM Downloads, Serial Keys, UpdraftPlus.
- Web server creation, maintenance, management, and disaster recovery. AWS, bitnami, LAMP, WordPress.
- Skilled in the art of executing graceful cutovers when switching between disparate (usually old to new) systems.
- Problem solving, software, hardware, mechanical.
- Finding root cause of problems in complex software and mechanical systems and fixing them.
- Customer service/technical support.
- Small business IT experience, Office365 administration.

ACCOMPLISHMENTS

- Created a cross platform, plug in, device driver standard. [See this external link to the 'X2 Standard.'](#)
- Created a complete scripting object model [See this external link to the 'Script TheSky' documentation.](#)
- Awarded patent for controlling an observatory over the web.
- [More accomplishments.](#)