

G. M. Max Messenger Bouricius

Skills

- Python, C++, C, Perl, C#, Java
- Front-end web: HTML, CSS, Javascript, jQuery, React
- Graphical applications: Qt, OpenGL
- Database systems (MySQL), Unix Bash shell + scripting
- Computer algorithms, algorithmic complexity analysis
- Artificial intelligence, robotics
- User-centered/graphic design principles
- Dynamic programming, greedy algorithms
- Mandarin Chinese and French
- DevOps methods and tools
- Data sciences, machine learning
- Independent and team-oriented work
- Concurrent versioning systems
- Vim and Microsoft Visual Studio
- Extensive leadership/director/tutor experience
- Intel x86 Assembly (Linux architecture)
- Unity game engine, GameMaker game engine
- Microsoft Office Suite, minor sysadmin duties
- Team collaboration tools (Slack, Trello, etc)
- Google Services
- Written/verbal communication, documentation
- Customer service, retail/food services

Experience

Software Engineering Intern (Paid)

May 2017 - present

Lockheed Martin / University of Colorado Laboratory for Atmospheric and Space Physics (LASP)

- Creates GUI feature testing suites for Lockheed Martin's SBIRS infrared satellite missile detection systems
- Security clearance level: secret
- Designs, develops, and tests graphical projects as part of training for testing software (EggPlant)
 - Languages: Python, C/C++, HTML, CSS, Javascript, jQuery, React
- Administrative duties: meetings, email correspondence, general office space etiquette

Computer Algorithms Course Assistant (Paid)

January 2017 - May 2017

University of Colorado at Boulder

- Assisted students in computer algorithms course for semester-long position
- Taught algorithmic complexity, proofs of correctness, dynamic and greedy algorithms
- Held office hours: mentored, tutored, and advised students
- Demonstrated clear communication skills and fostered students' academic strengths
- Sent weekly progress reports and questions/clarifications to professor
- Performed independent, unsupervised work

President/Music Director (Volunteer)

April 2016 - present

In The Buff Men's A Cappella

- Conducts rehearsals, arranges new songs, teaches new songs to approximately 10-12 other group members
- Group accepted to compete in International Championship for Collegiate A Cappella (January 2017)
 - Awarded 3rd place + "Outstanding Arrangement" (entire 3-song set)
- Resolves conflicts, connects with members, creates enjoyable experience for all

Education

University of Colorado at Boulder (August 2014 - May 2018)

Bachelor's of Arts - Computer Science and Chinese (Mandarin)

- Computer science GPA: 3.80
- Cumulative GPA: 3.67
- Dean's list: spring 2016, fall 2016, spring 2017