# Peter Gutenko

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gutenko.de

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## EDUCATION

- University of Colorado Boulder
- Computer Science, BS
  - Coursework:  Algorithms, Computer Systems, Operating Systems, Compilers, Cybersecurity, AI, Computer Graphics, Network Systems, Object-Oriented Design, Physical Computer Interfaces

- Major GPA: 3.284   |   Cumulative GPA: 3.133
- Graduated May 2018

## WORK EXPERIENCE

**Graphics Engineer on OpenCL team at Qualcomm Inc.**  |  January 2019 to present
- Maintained Adreno OpenCL driver and test frameworks, including unit testing and debugging.
- Worked closely with team to solve issues in several large proprietary codebases.
- Primarily used Git, Perl, Python, and C/C++, on Windows and Linux.

**Software Development Intern on the Amazon Prime team**  |  June to August 2017
- Worked with machine learning and big data technologies in Java and Python.
- Extensive use of Git, code reviews, unit testing, and agile development.

## COMPUTER SKILLS

**Languages/APIs**
- Java, C/C++, C#, Scala, Python, Kotlin, Rust, HTML/CSS/JavaScript, Bash scripts, Makefiles
- S3, SQL, OpenGL, OpenAL, OpenCL, WebGL, OpenGL ES, GLSL, BASIC
  - Large projects in Java, Android app development, networking, threading, driver development in C/C++, databases, extensive projects using OpenGL and GLSL.  Comfortable with object-oriented, functional, and imperative paradigms.

**Operating Systems**
- Windows, macOS, Linux (Ubuntu, Arch, Solus, Kali)  |  Used all three extensively

**Development Tools/Software/Libraries**
- Git, Make, Bash, Vim, Regular Expressions
- Sublime Text, Atom, Photoshop, Blender, Maya
- IntelliJ/Clion, Visual Studio, Eclipse
- Unity and Unreal game engines
- Experience with version control, code reviews, unit testing, and agile development.

## PROJECTS

**Published game, "Prompt"**  |  Distributed via Steam  |  Published Summer 2015  |  Multiplatform
- Twitch platformer coded in Java using OpenGL for graphics; no prebuilt engine used.
- store.steampowered.com/app/366590 - Review copies freely available upon request!

**Space Grant**  |  Volunteer work  |  Computer Systems team
- Backend Ubuntu server and website maintenance, and general IT for computer labs.

**Portfolio website**  |  gutenko.de  |  HTML/CSS/JS  |  Bootstrap framework  |  Site built with Python
- Fully responsive design; many smaller projects, games, and graphics experiments on display.

## LEADERSHIP | **Eagle Scout** in Troop 387 | **FIRST Robotics** team 1984 | **Engineering Honors Program** at CU