

Contact

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www.linkedin.com/in/claudebetrisey (LinkedIn)

Top Skills

DevOps
Software Infrastructure
Jenkins

Languages

French (Native or Bilingual)
German (Elementary)
Italian (Elementary)
Spanish (Limited Working)
English (Native or Bilingual)

Publications

Displaced Filtering for Patterned Displays
Perceptually tuned generation of grayscale fonts
Model-based matching and hinting of fonts
Advanced grid constraints: performances and limitations

Patents

Method for producing contrast-controlled grayscale characters
Maintaining advance widths of existing characters that have been resolution enhanced
Automatic optimization of the position of stems of text characters
Automatic optimization of the position of stems of text characters
Methods and apparatus for filtering and caching data representing images

Claude Betrisey

Software design engineer at SEL Inc in Pullman WA
Pullman, Washington, United States

Experience

Schweitzer Engineering Laboratories (SEL)

Senior Software Engineer

March 2025 - Present (4 months)

Pullman, Washington, United States

Software Engineer in the DevOps team. Helping the company modernize, standardize and harden the security of build, test and release processes for software and firmware development teams

Microsoft

31 years 7 months

Senior Software Design Engineer in Windows Code Flow Team

September 2022 - January 2025 (2 years 5 months)

Pullman, Washington, United States

Working on the daily Code flow and production on the Windows build

Principal Developer in Debugger Team

September 2017 - September 2022 (5 years 1 month)

Redmond, Washington, United States

Working on debugger tools, WinDbg, Time Travel Debugging

Principal Developer in Windows Engineering

September 2012 - September 2017 (5 years 1 month)

Redmond, Washington, United States

Working on internal data and security tools

Development Lead in Windows Text Team

September 1999 - September 2012 (13 years 1 month)

Redmond, Washington, United States

Leading development team implementing text rendering in Windows and in Microsoft UI frameworks (gdi+, WPF, Silverlight, Xaml)
Added support for building .Net 2.0 test applications in the Windows build system

Software Design Engineer in Windows Text Team

September 1997 - September 1999 (2 years 1 month)

Redmond, Washington, United States

Development of international text support

Integration of ClearType text rendering into Windows

Software Design Engineer in Microsoft Typography team

July 1993 - September 1997 (4 years 3 months)

Redmond, Washington, United States

Development of the TrueType rasterizer and font production tool

Swiss Federal Institute of Technology

Research assistant and doctorate candidate

September 1988 - July 1993 (4 years 11 months)

Education

EPFL

Ph.D. in Computer Science, Digital Typography · (September 1988 - June 1993)

EPFL

Bachelor's degree, Computer Engineering · (September 1984 - July 1988)

Swiss Federal Institute of Technology Lausanne

Computer Science Doctorate, Computer Graphics/ Text · (1984 - 1988)