

Amit Bansil

Analytical Software Designer

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'08 – Present

Analytical Software Designer

Amit-Bansil.com

Currently working as a freelance designer/developer. Projects include an analytics tool for Medicare project managers, an animal-tracking database browser, a computational chemistry simulator, a light-scattering controller, and a coastal resource management system.

'06 – '07

User Interface Architect

Icosystem Inc.

Created interactive simulation software currently in use by teams from the pharmaceutical, health care, gaming, defense, and advertising industries. These systems enabled our clients to dynamically inject domain expertise into algorithms invented by Icosystem's world-leading group of complexity scientists. While working on these tools I also designed a novel databinding toolkit implemented within the paradigms of object-oriented Java.

'05 – '06

Principal Developer

Center for Neural Systems

Enabled a team of a dozen researchers who were creating computational models of human intelligence to build analytical tools intended for use in educational contexts.

'99 – '05

Programmer

Center for Polymer Studies

Designed and implemented computational chemistry tools for use in schools and by researchers. I also created network simulators used by defense analysts. During 2004 my work was funded by a National Science Foundation GK12 fellowship, which allowed me to bring several applications that I had written directly into classrooms. Additional responsibilities included curriculum development, web design, & software build/deployment process automation.

Summer '98

IT Support Staff

The Park School

Set up computer labs and servers. Trained teachers. Seeing the frustration that simple tasks caused intelligent people led me to the focus on user experience that permeates my work.

'03 – '08

B.A. Mathematics

Boston University

While working in industry I completed a bachelor of arts degree in theoretical mathematics. My interests included topology and abstract algebra.

Skills

UI Design, Information Visualization, Java, Object Oriented Design, Adobe CS, Cross Platform Deployment, ANT, Subversion, Windows, Linux, Mac OS X, Swing, HTML, CSS, JavaScript, Python, Flex