Michael Peterson

📍 Bordentown, NJ   ✉ michaelgordanpeterson@gmail.com   📞 (609) 954-5900   🔗 yourwebsite.com

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Software Engineer

Innovative Fullstack Software Developer experienced in providing high impact web solutions.

Education

BS   **University of Pennsylvania**, Computer Science   Sept 2000 – May 2005
- GPA: 3.9/4.0 ([Transcript ↗])
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

Experience

Infinite Blue, Software Engineer   Audobon, PA   2023 – 2024   1 year
- Reduced time to render user buddy lists by 75% by implementing a prediction algorithm
- Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database
- Redesigned chat file format and implemented backward compatibility for search

Onepak, Software Developer   Boston, MA   2022 – 2023   1 year
- Implemented a new B2C application, taking it from concept to MVP employing React. Zeplin was utilized as a key tool to work with mockups, ensuring pixel-perfect implementation of the design elements and maintaining a cohesive user interface.
- Maintained and optimized logistical software for multiple B2B applications responsible for recycling technological equipment for industry leaders such as Dell and Hewlett Packard.
- Collaborated closely with design and marketing teams, translating their vision and requirements into a functional and visually appealing application.

Publications

3D Finite Element Analysis of No-Insulation Coils   Jan 2004

Frodo Baggins, *John Doe*, Samwise Gamgee

10.1109/TASC.2023.3340648 ↗

Projects

Multi-User Drawing Tool   github.com/name/repo ↗
- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

Synchronized Desktop Calendar   github.com/name/repo ↗
- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Custom Operating System   2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

Technologies

Languages: C++, C, Java, Objective-C, C#, SQL, JavaScript

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder