

# Nathaniel Meierpolys

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## Professional Experience

### **Epic Systems** Madison, WI (2009-Present)

Software Developer

- Overhauled the visual layout and API used company-wide for generating HTML reports and RTF printouts, improving usability and overall “coolness”.
- Became the go-to person for printing functionality on the Inpatient team.
- Led an effort to make our team’s reports easier to read, configure and maintain.
- Created searches of customer setup to gather data about configuration and use.
- Supported junior developers with mentoring and code review.

### **Bungee Labs** Orem, UT (2008)

Computer Science Intern

- Developed a unit testing framework for internal and developer community use.
- Integrated the unit test framework with the internal build and development process.

### **Project Kaleidoscope** Washington, DC (2006-2008)

Web Developer Intern, “Chief Engineer”

- Built an interface to the National Science Digital Library to maintain and provide hundreds of the documents using metadata standards.
- Redesigned the organization website and consulted remotely throughout the year.

## Education

**Saint Olaf College** Northfield, MN (Aug. 2005 – May 2009)

Bachelor of Arts, Computer Science, Physics (GPA: 3.42 / 4.00)

Courses: Algorithms and Data Structures, Operating Systems, Programming Languages

## Projects

### **Fast watershed image segmentation** (2008)

Developed a fast algorithm and program capable of segmenting an image into logical segments in linear time, an improvement on other  $O(n^2)$  and  $O(n^3)$  algorithms.

### **Object tracking in 3D space** (2008)

Using a cluster of machines and two high resolution cameras, this project tracked an LED light in 3D space to 2.5mm precision from several meters away.

### **Parallel programming on the wiki** (2008)

Created an interface between the wiki used by introductory Computer Science students and a Hadoop machine cluster to support parallel programming exercises.

## Technical Skills

**Languages:** C, Caché, C++, Lisp/Scheme, VB6, Perl, some Objective-C

**Web:** HTML, PHP, ColdFusion, CSS, JavaScript, Ajax, XML,

**Database systems:** MSSQL, MySQL, MS Access