

# Eric Powers

## Resume

## Innovative Software Design and Engineering



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### EXPERIENCE

#### [Mighty Ant | Burbank, California](#)

2015 - present

Setup, developed, and maintained Python Django web and Android/iPhone mobile app systems for in-theater gaming and retail restaurant ordering.

#### [Readz | Woodland Hills, California](#)

2011 - 2015

Designed and implemented custom in-browser WYSIWYG magazine editing framework with HTML5, Javascript, Django, Python, MySQL, AWS Cloud.

Researched and prototyped Node.js framework with custom ORM to MySQL.

#### [Applied Minds | Glendale, California](#)

2008 - 2011

Implemented autonomous vehicle stereo machine vision system in Python, C++, OpenCV.

Developed patent-pending image processing system for night vision in GLSL, C++.

Researched, designed, and implemented planetary body and spacecraft simulation with Oren-Nayar shading model in GLSL and geometric processing algorithms in OpenCL, user application in Objective-C.

Developed custom virtual world application with Java client and Java Glassfish server.

Developed iPad video wall native IOS application with HTML5, Javascript, and ObjectiveC.

#### [Walt Disney Feature Animation | Burbank, California](#)

1997 - 2007

Architect of production pipeline, including initial concept, proposals, block diagrams, requirements, roadmap, architecture and design documents, bidding, budgeting, reporting hierarchy, roles and responsibilities, resource allocation, assignments, priorities, tracking, implementation of several systems in C++, MEL, Perl, Qt, Python, Java, C#, Shell, training and documentation, support teams, and maintenance planning.

### EDUCATION

#### [University of Phoenix](#)

2006

Bachelor of Science, Information Technology  
Graduated with Honors (3.80 GPA)