

# Robert Wagner

wolfchimneyrock.github.io  
646.427.4079 | tholos@gmail.com

## EDUCATION

### BROOKLYN COLLEGE

BS IN COMPUTER SCIENCE

BS IN MATHEMATICS

MINOR IN COGNITIVE SCIENCE

In Progress

Spring 2018± | Brooklyn, NY

GPA: 4.0 | Dean's list

### LOUISIANA STATE UNIVERSITY

BARCH IN ARCHITECTURE

Dec. 2002 | Baton Rouge, LA

Dean's list (3 semesters)

## COURSEWORK

### COMPUTER SCIENCE

Data Structures

Application Design

Computer Architecture<sup>1</sup>

Artificial Intelligence<sup>1</sup>

Analysis of Algorithms<sup>1</sup>

Theory of Computation<sup>1</sup>

Operating Systems<sup>2</sup>

Database Theory<sup>2</sup>

### MATHEMATICS

Calculus I, II, III

Discrete Mathematics

Linear Algebra

Probability Theory<sup>1</sup>

Differential Equations<sup>2</sup>

Numerical Methods<sup>2</sup>

Mathematical Statistics<sup>2</sup>

<sup>1</sup>Fall 2016

<sup>2</sup>Spring 2017 (Projected)

## SKILLS

### LANGUAGES

Modern C++ • Java • Python • Javascript

C • Matlab • R • Sage •  $\LaTeX$

Pascal • CSS • Lisp • x86 Assembly

### FRAMEWORKS

JQuery • Django • Spring

### DATABASES

MongoDB • PostgreSQL • Domino

### GRAPHICS/DESIGN

Photoshop • InDesign • Illustrator

AutoCAD • Revit • Sketchup

3DS MAX • V-Ray • Rhino

## EXPERIENCE

### SBLM ARCHITECTS | SENIOR DESIGNER

Feb 2012 - Jan 2016 | New York, NY

- Developed design standards for client's national roll-outs. Agilely evolved prototypes to meet client's changing needs throughout multi-year roll-outs.
- Scoped and programmed new projects with clients during master planning charrettes.
- Produced feasibility studies for due diligence.
- Provided CA, QC, VE services on many jobs.
- Performed Engineering co-ordination.
- Managed a team of four intern architects during DD and CD phases of projects. Provided technical training, guidance, and mentor-ship; and promoted maintainability, modularity, and clear documentation. Promoted a responsiveness towards the vastly differing requirements of clients, contractors, jurisdictions, consultant engineers, tenants, and end users.

### NILES BOLTON ASSOCIATES | ARCHITECT

Nov 2004 - Feb 2010 | Atlanta, GA

### KIRKLAND + ASSOCIATES | INTERN ARCHITECT

Feb 2003 - Nov 2004 | Atlanta, GA

### IT GOLEM | STARTUP CO-FOUNDER

July 2002 - Feb 2003 | Atlanta, GA

- Developed motion-sensing multi-camera DVR internet appliance software in C / x86 ASM utilizing SDL / ffmpeg libraries on Geode GX1 embedded platform running Linux / Apache / MySQL / PHP stack. My contribution focused on video capture and overlay, motion detection, interactive console, and MPEG recording.
- Implemented video capture for up to 8 simultaneous NTSC streams using AMP AVC4000 decoder with dynamic frame rate adjustment.
- Implemented Canny edge detection and motion sensing in x86/MMX ASM.
- Developed hardware-accelerated interactive console software with HUD overlay for DVR operation. The front panel hardware was not developed beyond prototype.

### LA DEPT. OF PUBLIC SAFETY & CORRECTIONS | DATABASE INTERN

May 1997 - Jan 2001 | Baton Rouge, LA

- Developed Lotus Notes/Domino applications to transition from mainframe paradigm which allowed officers to remotely write reports and access offender data and eliminate a 24-hour call center.
- Organized and optimized an OCR workflow for digitizing bulk paper records into a search-able and report-able database.
- Transitioned a department from AT&T 3B2 Unix V / Informix-4GL / Multiplan to Lotus Domino, retaining all documents and existing workflow and introducing automated collaboration and data-sharing with other departments.

## AWARDS

2001	LSU TAF	Scholarship for honors thesis research Mississippi River Museum design project
2000	1st place	Acme Brick Design Competition / Scholarship
1997	2nd place	Louisiana state science fair Implement "Boids" flock simulator: 100 boids on a 33Mhz 486