

# Kirk Lundblade

kirk.lundblade@gmail.com

## Work Experience

### **Applications Programmer**, *The University of Central Florida, August 2019–Present*

- Design a new front-end and back-end for the history department's RICHES Mosaic Interface project
- Maintain existing web servers and program data
- Teach and interface with history department personnel on technical, web-related issues pertinent to their work
- Conduct usability testing to assess efficacy of intended future design changes

### **Adjunct Instructor**, *The University of Central Florida, August 2019–Present*

- Teach the Games and Interactive Media department's Server-Side Scripting course
- Design course content to conform to pedagogical standards and effectively communicate core concepts
- Assess student progress and provide clear and effective feedback

### **Information Architect**, *Orange County Clerk of Courts, February 2018–Present*

- Architect the internal KnowledgeBase (KB) system used by all Orange County Clerk of Court employees
- Write clear, concise, and effective documentation for 4 divisions based on a wide array of source materials
- Consult with Subject Matter Experts (SMEs) to ensure the accuracy of all content
- Provide stylistic guidelines for other content writers based on professional editing standards

### **Graduate Teaching Assistant**, *The University of Central Florida, August 2017–August 2019*

- Teach the ENC 3241 Technical and Professional Writing course
- Design course content to conform to pedagogical standards and effectively communicate core concepts
- Work with other departments to create personalized teaching strategies for struggling students
- Assess student progress and provide clear and effective feedback on their writing process

### **Web Developer**, *Self-employed, October 2016–Present*

- Research marketing strategies to better create brand awareness and drive revenue for e-commerce
- Develop websites using PHP- and .NET-based frameworks
- Manage client designs and expectations for fully-functioning e-commerce applications
- Write marketing and other commercial material for customer websites

### **Applications Engineer**, *National Instruments, January 2015–October 2016*

- Wrote and edited technical articles on hardware/software troubleshooting and concepts
- Assisted in managing the institutional knowledgebase (KB) system as a Gatekeeper
- Supported scientists and engineers using test and measurement hardware, such as cDAQ, cRIO, and PXI platforms as well as Serial, GPIB, CAN, I2C, and SPI communication protocols
- Assisted NI customers in architecting, designing, and debugging C, C#, LabVIEW, and TestStand applications
- Taught programming and software customer education classes in CVI, TestStand, DIAdem and C/C#
- Developed a LabVIEW and DIAdem demo for NIWeek 2015
- Contributed to coworkers' technical development by teaching internal classes, presenting information on various technical topics, and serving as a technical expert for DIAdem, TestStand, Visual Studio/Measurement Studio, and CVI
- Managed small internal teams working to complete extremely high-priority customer issues

as well as tightly-scheduled marketing demos

- Designed, developed, and tested internal applications for office use

**Substitute Teacher**, *Castle Hills First Baptist School, Fall 2014*

- Taught basic lessons in English and mathematics to 7th- and 8th-grade students
- Assisted students one-on-one with difficult material

**Webmaster**, *Auburn University Office of University Writing, May–August 2014*

- Redesigned the OUW website to meet design standards and best practices
- Streamlined the content management system to enable easy updates by non-technical staff
- Wrote staff guides for independently updating web content

**Graduate Assistant for Web Development**, *Auburn University, August 2012–May 2014*

- Assisted in teaching the English department's ENGL 7060 Web Development course
- Managed the English department's IDEA and LUCIA labs for usability testing

**Technical Writing Intern**, *Johnson Controls, May–August 2013*

- Edited quality standards documentation for automotive assembly processes
- Researched quality assessment methods and procedures

**Media Intern**, *College of Engineering Office of Communications and Marketing, January–May 2013*

- Edited web and print media published by the College of Engineering
- Researched web design for upcoming website overhaul
- Wrote engineering news pieces on the college website

**Field Engineering Intern**, *TexStar Midstream Services LP, May–August 2012*

- Assisted engineers in field operations throughout south Texas
- Researched and compiled data on GIS software for potential company use

**Summer Researcher**, *Texas A&M University, May–August 2011*

- Received an undergraduate summer research grant (USRG) from Texas A&M
- Researched hardware-based sorting and hashing algorithms for microprocessor systems
- Delivered a poster presentation and wrote a journal-style technical paper over summer research

**Tutor**, *Paul L. Foster Student Success Center, August 2010–December 2011*

- Tutored students in mathematics, physics, economics, engineering, English, and computer science courses
- Worked with success center staff to develop new teaching pedagogies for struggling students

**Legal Office Assistant**, *John Lane and Associates, May–August 2008, 2009, 2010*

- Researched relevant case law
- Maintained an active electronic filing system
- Completed miscellaneous clerical tasks for attorneys

## Education

**Ph.D. in Texts and Technology (in progress)**, *The University of Central Florida, 2017–Present, Orlando, FL*

- Received prestigious Presidential Fellowship, an \$80k stipend covering 4 years of research and study
- Area of focus in Games and Interactive Media
- GPA: 4.00/4.00

**Master of Technical and Professional Communication**, *Auburn University, 2012–2014, Auburn University, AL*

- Coordinated minor in Electrical and Computer Engineering
- Received full tuition assistantship
- Granted the Department of English Fellowship for Technical and Professional Communication
- GPA: 3.92/4.00 (Overall) 4.00/4.00 (Major)

**B. S. in Electrical and Computer Engineering**, *Baylor University, 2007–2011, Waco, TX*

- Minors in Economics and Mathematics
- Completed the Baylor Interdisciplinary Core program (Honors College)
- GPA: 3.64/4.00 (Overall) 3.76/4.0 (Major)

## Skills

**Programming:** C#, C++, C, LabVIEW, VBScript, PHP(Laravel, WordPress), HTML, CSS(LESS, SASS), XML, Javascript(jQuery, NodeJS, Express, Sails), MySQL(Eloquent), MongoDB, VHDL, Verilog, Assembly(MIPS)

**Software:** SolidWorks, SPICE, MATLAB, ArcGIS, Adobe Creative Suite, LabVIEW, TestStand, LabWindows/CVI, DIAdem, Visual Studio, Measurement Studio, Eclipse, MS Office Suite, WordPress

**Hardware:** GPIB, Serial, CAN, I2C, SPI, NI cRIO, cDAQ, and PXI platform hardware

**Certifications:** NI Certified LabVIEW Associate Developer (NI CLAD) (2015), NI Certified TestStand Developer (NI CTD) (2016)

## Honors and Awards

University of Central Florida Presidential Fellowship, \$80,000 (2017–2021)

Auburn Department of English Fellowship for Technical and Professional Communication, \$1,000 (2012–2013)

Baylor Interdisciplinary Core honors graduate (2011)

Texas A&M Undergraduate Summer Research Grant, \$5,000 (2011)

Baylor University Dean's List (2007, 2010, 2011)

## Activities and Memberships

Member of IEEE, Gamma Beta Phi, Alpha Lambda Delta, and Delta Epsilon Iota

Officer of Baylor IEEE student chapter (2010–2011)

*References, writing samples, and transcripts are available upon request.*