

# JOSHUA A. BROOKS

Columbus State University | C: 205.310.9248 | brooks\_joshua@columbusstate.edu

## EDUCATION

- 2015 **Doctor of Philosophy:** Finance; Dissertation: Three Essays on Investments and Time Series Econometrics  
The University of Alabama- Tuscaloosa, AL
- 2010 **Master of Science:** Finance  
The University of Alabama- Tuscaloosa, AL
- 2009 **Bachelor of Science:** General Engineering, Mathematics Minor  
Union University- Jackson, TN

## ACADEMIC APPOINTMENTS

- Columbus State University **Assistant Professor of Finance** 2018-present  
**Visiting Assistant Professor of Finance** 2017-2018
- Lander University **Assistant Professor of Finance** 2014-2017
- The University of Alabama **Research and Teaching Assistant** 2010-2014
- Responsibilities included: development of research, data collection of hedge fund managers, migration of time-series smoothing to SAS, and various teaching assistant responsibilities under the supervision of Dr. Kent Zirlott and Dr. Jesse Ellis

## OTHER PROFESSIONAL EXPERIENCE

- Ongoing (started 2022) **Consulting Expert, Confidential, Financial Risk Management, LLC, Northport, AL**
- Responsibilities included: audit of computational methods used for damage calculations related to ERISA violations
- Ongoing (started 2021) **Scientific Advisor, Values Realized, Syntax SDG, Birmingham, AL**
- Responsibilities included: financial engineering and computational resource for new products
- Ongoing (started 2019) **Testifying Expert, Confidential, Waldrep, Mullin, & Callahan, Columbus, GA,**
- Responsibilities included: valuation of life-care plan incorporating inflationary effects
- 2022 **Testifying Expert, Hill v. Ford, Butler Prather, LLP, Columbus, GA**
- Responsibilities included: Basic financial statement analysis related to punitive damages and ability to pay
- 2019-2021 **Testifying Expert, Overlook Gardens et al v. Red Capital et al, Charles A. Gower P.C., Columbus, GA**
- Responsibilities included: calculation of damages related to GNMA mortgage securities and financial trading in general
- 2019 **Testifying Expert, Christina Thornton v. Ralston GA et al, Charles A. Gower P.C., Columbus, GA,**
- Responsibilities included: analysis of cash flows, financial leverage, and enterprise risk associated with a low-income housing
- 2017 **Instructor, Money & Banking, South Carolina Bankers' School, Greenwood, SC**
- Responsibilities included: development and delivery of a course for Bankers' School along with take-home assignments and exam questions
- 2016 **Consulting Expert, Confidential, Financial Economics Consulting Group, Inc., Tuscaloosa, AL**
- Responsibilities included: evaluation of opposing expert testimony report, analysis of debt restructuring, CDS valuation.
- Developer, Stochastic Finance and Econometrics Course, Goldman University, Various**
- Responsibilities included: development of a sixteen-contact-hour course that starts with definitions of time (continuous and discrete) and continuous state space, surveys stochastic calculus with a focus on option price models, and introduces the basic ideas of applied time-series econometrics.

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2015-2016

**Contractor, Flipped Classroom Materials Development, McGraw-Hill, Online**

- Responsibilities included: development of flipped classroom materials for a personal finance course that included online, mail-merge adaptive, and case study materials.

2014

**Consulting Expert, Confidential, Strategic Directions, Inc., Greenwood, SC**

- Responsibilities included: project evaluation using non-profit CFFA, NPV, and IRR.

**Consulting Expert, Confidential, Financial Risk Management, LLC, Northport, AL**

- Responsibilities included: evaluation of opposing expert testimony report using time-series econometrics, spurious regressions, and return attribution.

2013

**Consulting Expert, Confidential, Financial Risk Management, LLC, Northport, AL**

- Responsibilities included: compilation and analysis of discovery data in a case that dealt with interest-rate swaps, VRDNs, and instrument valuation.

2010

**Financial Analyst, Summer Contractors, Financial Risk Management, LLC, Northport, AL**

- Responsibilities included: correcting faulty hedging strategy, data compilation and reorganization, writing reports for clients on hedging, assisting with dynamic hedging feasibility study, and completing analysis for expert testimony support.

2008

**Engineering Intern, ATPUK Engineering Team, Cummins-Rocky Mount Engine Plant, Rocky Mount, NC**

- Responsibilities included: creating drawings of project area, assisting in streamlining, supervising contractors, and doing efficiency studies on new layout.

2006-2008

**Tutor, Hundley Center, Union University, Jackson, TN**

- Responsibilities included: tutoring a variety of Math, Chemistry, Physics and Engineering classes; also accountable for documenting student progress.

2006-2007

**Engineering Intern, Document Controls Committee, Hunt Refining Company, Tuscaloosa, AL**

- Responsibilities included: creating electronic databases of engineering documentation and locating appropriate documentation for contractors

## PUBLICATIONS

Papers

Brooks, R., Brooks, J. A. 2022. Samuelson hypothesis and carry arbitrage: US and China. **Journal of International Money and Finance**, 128, 102698.

Barhorst, J., Wilson, A., Brooks, J., 2020. "Negative Tweets and their Impact on Likelihood to Recommend," **Journal of Business Research**, 117, 727-739.

Barhorst, J., McLean, G., Wilson, A., Brooks, J., 2020. "Service Encounter Microblog Word of Mouth and its Impact on Firm Reputation," **Journal of Services Marketing**.

Brooks, R., Brooks, J., 2017. "An Option Valuation Based on Arithmetic Brownian Motion: Justification and Implementation Issues," **Journal of Financial Research**, 40(3), 401-427. DOI: [10.1111/jfir.12129](https://doi.org/10.1111/jfir.12129)

Proceedings

"What a Time-Series Model Implies about Trading Strategies."

Southeastern Chapter of the Institute for Operations Research and the Management Sciences, Myrtle Beach, October 2016

"Opportunities and Perils: Launching a Micro Business."

Southeast Decision Sciences Institute's Annual Meeting, Charleston, February 2017

## PROGRAMMING SKILLS & DATABASE EXPERIENCE

Programming

Matlab, C, C++

Statistical Packages

Mathematica, R, RStudio, Rats, SAS, SmartPLS, Stata

Database

WRDS, Bloomberg, Mergent's Municipal Bond Securities Database

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## REFERENCES

### **Dr. Shane Underwood**

Harriette L. and Walter G. Lacy, Jr. Chair of Banking and Finance  
Department of Finance, Insurance, and Real Estate  
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### **Dr. Douglas O. Cook**

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### **Charlie Gower**

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