

Summer 2024

## CAS Faculty Summer Research Assistant Positions

### **Biochemistry, Chemistry, Environment and Physics**

Research Assistant Position: Up to 22 hours weekly  
Supervisor: Prof. Kelsey Stocker, BiCEP Department  
Contact: [kstocker2@suffolk.edu](mailto:kstocker2@suffolk.edu)

Description: Research assistant tasks include: searching and reading peer-reviewed chemical literature; writing an annotated bibliography; drawing molecules in a chemistry software program and selecting the appropriate method to calculate properties; recording calculated results in an Excel or Google Sheets table; keeping an electronic laboratory notebook in Microsoft OneNote; developing a mathematical model based on thermodynamic and kinetic principles (in collaboration with supervising faculty member). Basic computer skills (Microsoft Office, etc.) and chemistry experience equivalent to CHEM-112/L112 (General Chemistry II) required. Chemistry experience equivalent to CHEM-411/L411 (Quantum Mechanics & Spectroscopy) or CHEM-412/L412 (Thermodynamics & Kinetics) preferred. Experience with Linux/Unix environment and commands helpful but not required.

### **Communication, Journalism, and Media**

Research Assistant Position: Up to 22 hours weekly  
Supervisor: Prof. Jeremy Levine, CJN-Media Department  
Contact: [jlevine3@suffolk.edu](mailto:jlevine3@suffolk.edu)

Description: This position will be open to undergraduates and graduate students studying Media & Film. Students must have experience with Adobe Suite, including a strong understanding of Adobe Premiere. Students must also be able to create and maintain spreadsheets in Excel and Google Sheets. I am looking for students who are highly organized, detail oriented, and have strong time management skills. Students will be engaged in research, production, and post-production work.

### **Mathematics and Computer Science**

Research Assistant Position: Up to 22 hours weekly  
Supervisor: Prof. Dmitry Zinoviev, Mathematics Department  
Contact: [dzinoviev@suffolk.edu](mailto:dzinoviev@suffolk.edu)

Description: The RA will be engaged in the documentation process for two computer programming language-related projects. The work entails preparing user manuals/tutorials and developing two comprehensive sets of examples. Currently, one tutorial is available only in PDF format, while the other requires extraction from a printed book, followed by extensive reorganization. Some examples are also present, but they need significant enhancement.

Required skills: Proficiency in LaTeX or a strong willingness to learn it; familiarity with vector drawing software, with a preference for Inkscape; a good grasp of technical English or an excellent ability to use Language Learning Models (LLMs) as a substitute; a good understanding of computer programming concepts. Preferred skills: knowledge of an assembly language would be advantageous; an eagerness to learn and work with StarSet is highly desirable.