

Dear Hiring Team at Ahrefs,

I am excited to apply for the OCaml Developer position at Ahrefs. As a graduate student pursuing a master's degree in computer science at the University of Illinois Urbana-Champaign, with a strong foundation in distributed systems and data storage from my education, I think I would be able to join our team and contribute.

In my academic and professional journey, I have cultivated a deep understanding of systems architecture and backend development. Highlights include:

- **Functional Programming:** I have recently developed a lexer, parser, and interpreter for a subset of the OCaml language. This was part of my course work in my graduate studies. I loved programming in OCaml and would love to be on a team where I could continue to learn and use it.
- **Distributed Systems:** In a recent project, I developed a distributed stream-processing framework inspired by Spark Streaming, utilizing Go and gRPC. Though I lack professional experience with streaming processes I think that my course work in distributed systems did well to prepare me for using a professional setting.
- **Backend Development:** As a Software Developer Intern at NISC, I contributed to workflows in a Java-based system querying an Oracle database. This opportunity gave me a good foundation in backend development, and insight into a typical batch process.
- **Learning:** I also have a love of learning. In just four years I will have received a master's degree from one of the best computer science schools in America. I also enjoy learning new tools to do my work. Learning to use technologies like Neovim has drastically increased my efficiency. I also my learning to type using the workman layout.

Thank you for considering my application. I look forward to the possibility of contributing to Ahrefs

Sincerely,

Adam McNeil

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