

Beagle - Navigating Academic Research

Richard Littauer
richard.littauer@gmail.com

ABSTRACT

Beagle is a client-side application that facilitates both annotation on PDFs and web pages and traversing open source academic research. Structurally, Beagle is envisioned as a browserified node application based on a peer-to-peer distributed file system, accessed through a browser extension and a stand-alone application. The UI is envisioned primarily as inline annotations combined with an informative sidebar overlayed on the PDF or web page. The application is inherently modular, which serves the dual purpose of maximising extensibility for the code base (which could then be utilized by other members of the open research community) and allowing users to select what information they can see. This document outlines the technical specifications underlying Beagle.

1. INTRODUCTION

[Motivate Beagle. Introduce problems. Open Research. Citation graph. Competitors. Partners. Chrome Extension. Data storage. User interaction. Encryption. Future]

2. ACKNOWLEDGEMENTS

This work has been supported by a MetaKnowledge Grant and by MIT.