## SOFTWARE DEVELOPMENT TOOLS: A BIBLIOGRAPHY

William E. Riddle
Department of Computer Science
University of Colorado at Boulder
Boulder, Colorado 80309

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William E. Riddle Department of Computer Science University of Colorado at Boulder Boulder, Colorado 80309

Abstract: We give a bibliography on tools which 1) help software developers perform some development task (such as text manipulation, testing, etc.), and 2) which would not necessarily be found as part of a computing facility. The bibliography comes from a relatively random sampling of the literature and is not complete. But it is indicative of the nature and range of tools currently being prepared or currently available.

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The following citations indicate articles which discuss tools of use in the development of software systems. In compiling this list, we did not include references on:

- 1. notational tools, that is, languages for the abstract description of software systems,
- 2. cognitive tools, that is, methods or principles intended to help development practitioners order their tasks and decisions,
- 3. development environments, that is, collections of tools.

Thus we have focused on augmentive tools, that is, tools which help developers in the performance of some development task such as text manipulation, testing, etc.

We have not included references on "traditional" tools such as compilers, linking loaders, sort routines, file systems, etc. Thus we have focused on tools which one would not  $pro\ form\alpha$  expect to be available under a computing facility. Further, we have included references to techniques which have been developed but not as yet implemented as complete augmentive tools.

This bibliography is not complete. It was augmented somewhat by using the bibliographies prepared as part of term projects by students in the author's graduate-level software engineering course.

It is, however, felt that its randomness is perhaps a strength in that a quick perusal will indicate the nature and breadth of tools currently available.

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