

MICHAEL K. MCCOURT

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🌐 astro.berkeley.edu/~mkmcc

TECHNICAL SKILLS

Programming

- * proficient in C, Ruby, Mathematica, Shell Scripts
- * quickly learned enough Python to write a research paper using it
- * portfolio ranges from hard-core scientific computation (e. g., adding plasma physics to an MHD code to be run on a supercomputer) to building research tools (e. g., my bibliography management tool “bibs slurp.”)

Modeling

- * quickly translate between equations and ideas
- * build simple but predictive models of complex systems, enabling new discoveries

Communication

- * 1st or 2nd author of 10 scientific papers, which have been cited more than 185 times.
- * Regularly complimented on the clarity of my reasoning and writing; one reviewer of a grant application thanked me for an interesting proposal; another grant proposal I authored is now used by the granting agency as the example well-written proposal.
- * Invited speaker to 19 conferences and seminars

SCIENTIFIC CAREER

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| SEPT 2014— | ITC FELLOW, Harvard University |
| AUG 2015 | <ul style="list-style-type: none">* received prestigious independent research fellowship* declined fellowship offers from Princeton University, Stanford University, and UC Santa Barbara |
| AUG 2008— | PHD STUDENT, UC Berkeley |
| AUG 2014 | <ul style="list-style-type: none">* recipient of both department research awards available to graduate students |
- * Worked in 9 different research areas, authoring papers and giving invited talks in all of them.

EDUCATION AND AWARDS

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| MAY 2014 | Ph. D. in ASTROPHYSICS, UC Berkeley |
| APRIL 2014 | Mary Elizabeth Uhl Prize, UC Berkeley |
| MAY 2012 | The Robert J. Trumpler Graduate Student Excellence Award, UC Berkeley |
| Nov. 2011 | Chandra Observatory theory grant TM2-13004X |
| MAY 2007 | Rose Hills Foundation Award for Undergraduate Research |
| MAY 2006 | VPUE Grant for Undergraduate Research, Stanford University |

Last updated: April 11, 2015

current version: astro.berkeley.edu/~mkmcc/cv.pdf