

Michael Hewner

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OBJECTIVE
A one year long programming position (starting Summer 2020) where I can produce some good business value plus learn some things to take back to my students in the fall.

EDUCATION
Georgia Tech, Atlanta, Georgia
Ph.D., Human-Centered Computing, December 2012

- Area of Study: Computer Science Education
- Dissertation Topic: *Student Conceptions about the Field of Computer Science*

University of Illinois at Urbana-Champaign, Urbana, Illinois
M.S., Computer Science, May 2003

- Area of Study: Software Engineering, Object-Oriented Programming
- Thesis Topic: *Implementing the Tagged Integer Optimization on the .NET Virtual Machine*
- Adviser: Professor Ralph Johnson

B.S., Computer Science, December 2001

INDUSTRY EXPERIENCE
Software Engineering Professionals, Carmel, IN
Programmer **May 2018–August 2018**

- Wrote C# and Javascript for large work tracking web application

Rose-Hulman Ventures, Terre Haute, IN
Tech Lead **May 2016–July 2016**

- Led 2 small programming teams on programming projects for external clients (google glass project, computer vision project)
- Experimental mixed summer internship/instruction partnership with Rose-Hulman Ventures

Indigo Bioautomation, Indianapolis, IN
Programmer **June 2015–August 2015**

- Wrote Ruby, Java code for mass spectrometer analysis toolchain

Groupon, San Francisco, CA
Programmer **June 2013–August 2013**

- Wrote Objective-C (Ipad client-side) and python (django server-side) for Bread-crumbs point-of-sale app

Zipper Interactive, Seattle, Washington
Video Game Programmer **May 2009–August 2009**

- Programmed C++ for two Playstation 3 first person shooter titles
- Interviewed developers about what they for in a programmer hire

Amazon.com, Seattle, Washington

Software Engineer **June 2003–June 2006, January 2007–July 2007**

- Technical Lead for a 7 person team, coded many projects in C++ and Perl
- Promoted after 1.5 years to SDE II
- Developed “Ninja Coder” programming riddle project to attract job candidates
- Interviewed 100+ developer candidates

TEACHING
EXPERIENCE

Rose–Hulman Institute of Technology, Terre Haute, Indiana

Associate Professor **Spring 2013 – Present**

- CSSE 403: Programming Language Paradigms (senior level course)
- CSSE 332: Operating Systems (sophomore/junior level course)
- CSSE 220: Intro to Object–Oriented Programming (freshman level course)
- CSSE 372: Software Project Management (junior level course)
- CSSE 375: Software Construction and Evolution (junior level course)
- CSSE 376: Software Quality Assurance (sophomore level course)

Duke University, Durham, North Carolina

Visiting Instructor **Fall 2011 – Spring 2012**

- CompSci 100: Data Structures (undergraduate course)
- CompSci 108: Software Engineering (undergraduate course)
- CompSci 149S: Problem Solving Seminar (graduate/undergraduate course)

REFERENCES

Benjamin Bernard

Email: ben@benjaminbernard.com; Phone: 206–579–4354

Previous team lead at Groupon.com

Tim Lancaster

Email: tlancaster@indigobio.com; Phone: (317) 605-0841

Vice President of Product Development, Indigo BioAutomation

J.P. Mellor

Email: mellor@rose-hulman.edu; Phone: 812–877–8085

Head of Dept. of Computer Science and Software Engineering, Rose–Hulman