

Arthur Ozga

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Objective

Seeking a full-time position to develop programming languages and their associated editing environments.

Education

University of Michigan – Ann Arbor, MI

Aug. 2012-May 2016

Majors: Computer Science Engineering and Honors Mathematics.

GPA: 3.76/4.00

Relevant Courses:

- EECS 281: Data Structures and Algorithms • EECS 482: Operating Systems • EECS 483: Compiler Construction • PHIL 414: Math Logic • MATH 396: Honors Analysis II • MATH 465: Introduction to Combinatorics • MATH 565: Combinatorics & Graph Theory • MATH 566: Algebraic Combinatorics • MATH 493: Honors Algebra I • EECS 574: Complexity Theory

Experience

Microsoft Corp. – Redmond, WA, USA

May 2015-August 2015

Software Developer Intern in Developer Division, TypeScript Language Team

- Using design meetings and the open source community, proposed and implemented language additions including the “abstract” keyword, merged class-interface declarations, and JSDoc comment completion.

University of Michigan – Ann Arbor, MI, USA

August 2014-May 2015

Instruction Assistant for EECS 376: Introduction to the Theory of Computation

- Led a weekly discussion section and wrote exam/problem sets activities for a ~400 person course.

Microsoft Corp. – Redmond, WA, USA

May 2014-August 2014

Explorer Intern in Cloud & Enterprise, Cloud Monitoring and UX Team

- Designed, built, and promoted an end-to-end solution for cloud monitoring and diagnostics, replacing legacy software. Consolidated similar products across teams onto a common framework and codebase.

Enigma Systemy Ochrony Informacji z.o.o. – Warsaw, Poland

May 2013-July 2013

Networking developer

- Designed and developed an OCR web service for mass document transcription on the .NET framework.

Undergraduate Research – Ann Arbor, MI, USA

September 2012-May 2013

Researcher

- Detecting and Attributing Climate Change – Worked with Nobel laureate Natalia Andronova on climate data analysis and model comparison.

Michigan Club Tennis

May 2013-September 2013

Vice President, Match Coordinator, Travel Coordinator

- Managed the 40-person team, interacted with governing bodies, and guided the overall team vision.

Activities

- Hascheme – Scheme interpreter (written in Haskell)
- Studying *SICP* by Gerald Sussman et. al., *Types and Programming Languages* by Benjamin Pierce
- College Club Tennis – USTA National Championships 3rd Place (4/2013), 11th Place (4/2015)
- Michigan Research Community (Fall 2012-Winter 2014) – Peer Mentor

Languages

English (fluent), Polish (fluent), French (conversational), C/C++ (fluent), C# (proficient), Scheme/Racket (proficient), Javascript/Typescript (proficient), Haskell (intermediate), XSLT (intermediate), HTML/CSS (intermediate), PowerShell (intermediate), bash (intermediate), Python (beginner).

Awards

- National Merit Finalist—awarded by the College Board to the top 1% of scores
- Clarence E. Groesbeck Memorial Scholarship (University of Michigan)
- Eta Kappa Nu (EECS Honor Society)