

Jacob Mingolla

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Objective

Leverage coursework and experience with back-end software to design and develop innovative solutions to complex, data-driven visualization challenges

Experience

| | | | |
|---|------------------------|-------------------------|--------------------|
| Software Developer | <i>Invaluable, LLC</i> | <i>Allston, MA</i> | <i>Summer 2015</i> |
| <ul style="list-style-type: none">- Refactored Python-based email alerts and messaging system into Java- Integrated new libraries and tools into the existing technology stack- Adapted to stringent API requirements and created powerful testing suites | | | |
| Software Intern | <i>Invaluable, LLC</i> | <i>Allston, MA</i> | <i>Summer 2014</i> |
| <ul style="list-style-type: none">- Created dynamic web-crawlers in Python- Collaborated with software team from planning stages through live release | | | |
| Teaching Assistant | Computer Science | <i>Tufts University</i> | <i>Medford, MA</i> |
| <i>2014, 2015</i> | | | |
| <ul style="list-style-type: none">- Assisted students in coding and project design for introductory and data structures classes- Aided students in problem solving during weekly office hours | | | |
| Camp Counselor | <i>Camp Nonesuch</i> | <i>Weston, MA</i> | <i>2008 – 2012</i> |
| <ul style="list-style-type: none">- Supervised campers from the ages of 7 to 14, worked directly with special-needs campers | | | |

Education

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|---|-------------------------|-------------------|--------------------|
| Computer Science Major | <i>Tufts University</i> | <i>Medford MA</i> | <i>BS May 2016</i> |
| <ul style="list-style-type: none">- Dean's List: Spring 2012, Fall 2012, Spring 2013, Fall 2014 | | | |
| | | GPA: 3.65 | |

Coursework

Computer Science

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|--------------------|----------------------------|-------------------|
| Computer Graphics | Concurrent Programming | Data Structures |
| Data Visualization | Computational Theory | Machine Structure |
| Algorithms | Human-Computer Interaction | |

Mathematics

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|----------------|----------------------|---------------|
| Linear Algebra | Discrete Mathematics | Real Analysis |
|----------------|----------------------|---------------|

Community / Recognition

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|---|------------------------------------|
| Pi Rho Omega Fraternity | <i>2012 – Present</i> |
| <ul style="list-style-type: none">- Directed new member recruitment and orientation for Beta Theta Pledge Class- Former Vice President of Communications | |
| Health Workshop Leader | <i>Peer Health Exchange</i> |
| <i>2013 – 2014</i> | |
| <ul style="list-style-type: none">- Taught hour-long workshops about health and wellness to Boston-area teenagers | |
| Massachusetts Winner & National Finalist | <i>Siemens Science Competition</i> |
| <i>Spring 2012</i> | |
| <ul style="list-style-type: none">- Four person team created a self-sufficient battery running off of sugar and bacteria found in mud | |

Coding *in order of proficiency*

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|------|-------|--------|----------|------|-----|--------------|---------|----------|
| Java | C/C++ | Python | Spring 4 | GLSL | Git | Linux / Unix | Node.js | Cucumber |
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References available upon request