

# Verica Savic-Jovcic

407-95 Jameson Ave, Toronto, ON M6K 2X1  
Phone: 647 896-3943 Email: [vsj@vericuljak.net](mailto:vsj@vericuljak.net)

## Objective:

To obtain either a Meteorologist, or an Analyst Position

## Highlights of Qualifications:

- Ph.D. in Atmospheric Sciences
- Over 5 years of research experience in Atmospheric Sciences
- Experienced in atmospheric modeling, data collection and data analysis
- Sound knowledge of statistical methods for atmospheric sciences
- Excellent written, verbal and interpersonal communication skills
- Exceptional computer literacy: Windows/Mac/UNIX/Linux, MSOffice, Adobe, LaTeX, HTML
- Scientific programming in NCL and Fortran
- Proficient in tutoring and coaching junior team members
- Organized, detailed-oriented, analytical and open-minded
- Demonstrated ability to work independently and within a team

## Accomplishments:

- Developed innovative method for calculating divergence from airborne wind data, which reduced the divergence sensitivity to the closure of the airplane's path
- Detected sensitivity of airborne divergence to measurement of attack angle, which resulted in recommendation for new airborne instruments
- Demonstrated an indirect effect of drizzle on organization of stratocumulus clouds through changes in circulation within the boundary layer, which initiated new direction of parameterization research
- Expanded Generalized Eta-model Framework Shallow Water Model, which enabled routine model testing
- Developed workflow solutions in Microsoft Office suite, which automated data handling and report generation for the whole department

## Career history:

### Recruiter

2012

Flexmore Staffing, Toronto

- *Recruited candidates for IT-related positions*
- Gathered and analyzed job-opportunity-related information
- Reviewed resumes and interviewed candidates
- Recommended candidates to the clients for given positions
- Maintained positive relationship with the candidates

### Volunteer Internship

2012

Clean Air Partnership, Toronto

- *Gathered information about idling-Control in the Municipalities across Ontario*
- Identified municipal organization within Ontario and localized web sites for each Municipalities
- Analyzed the web-sites' content in search for legislation that regulates idling
- Gathered available by-laws and analyzed them to report on criteria of idling control

### Sabbatical

2008-2012

Toronto

- *Settled in Toronto and started a family*

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## Research Associate in Atmospheric Sciences

2008

University of Maryland, College Park

- *Conducted and published research on Quasi-Uniform Grids for Global Models*
- Implemented testing module to Generalized Eta-model Framework (GEF) Shallow Water Model
- Tested application of two novel Advection Schemes to Cubic and Octagonal Grids in GEF Shallow Water Model
- Revised Journal Manuscript on Advection Schemes applied to Cubic and Octagonal Grids to be published
- Documented GEF Shallow Water Model

## Research Assistant in Atmospheric Sciences

2000-2007

University of California Los Angeles, Los Angeles

- *Conducted and published research on Cloudy Boundary Layers*
- Investigated effect of drizzle on dynamics and structure of stratocumulus-topped boundary layer
- Implemented two microphysics parameterizations in UCLA Large-Eddy Simulation
- Facilitated at the time the largest-domain Large-Eddy simulations on super computers
- Analyzed results of the Large-Eddy simulations to establish connection between cloud precipitation and boundary-layer circulation with associated cloud organization
- *Conducted and published research on Airborne Probing of Atmospheric Boundary Layer*
- Facilitated data collection during DYCOMS II field campaign
- Analyzed wind data from DYCOMS II field campaign and accuracy of airborne wind measurements
- Developed a novel statistical method for estimating wind derivatives from airborne wind data, and evaluated the method's accuracy
- *Published results in prestige Scientific Journals and Scientific Conferences*

## Teaching Assistant in Atmospheric Sciences

2001-2002

University of California Los Angeles, Los Angeles

- Organized and taught discussion sections
- Facilitated computer laboratory sections
- Prepared and graded homework assignments
- Graded midterm and final exams
- Provided tutorials to students to answer class-related questions after the class

## Internet Operator

2000

Schrine Enterprises, Limassol

- *Provided level 2 support*
- Abstracted data from database and processed it to handle customer requests
- Responded to customers' claims through emails in a timely fashion
- Developed workflow solutions in Microsoft Office Suite
- Organized work schedule for team
- Coached junior team members

## Education & Training:

### Ph.D. in Atmospheric Sciences

2008

University of California Los Angeles, U.S.A.

### M.S. in Atmospheric Sciences

2003

University of California Los Angeles, U.S.A.

GPA: 3.97/4.00

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<b>B.Sc. in Meteorology</b> Faculty of Physics, University of Belgrade, Serbia GPA: 9.03/10.00	<b>1999</b>
<b>Numerical Techniques for Global Atmospheric Models</b> National Center for Atmospheric Research (NCAR) Advanced Study Program (ASP) Summer Colloquium, Boulder, CO	<b>2008</b>
<b>Taking Your Science to the Next Level: On the Path to Petascale Computing</b> 12th Annual San Diego Supercomputer Center (SDSC) Summer Institute, San Diego, CA	<b>2006</b>
<b>Modern Applied Mathematics for the Atmospheric and Oceanic Sciences (MAMAOS)</b> Institute for Pure and Applied Mathematics (IPAM), University of California Los Angeles	<b>2003</b>
<b>Mathematics of Subgrid-Scale Phenomena in Atmospheric and Oceanic Flows</b> Institute for Pure and Applied Mathematics (IPAM), University of California Los Angeles	<b>2002</b>

**Career Portfolio and References Available Upon Request**